2022-23 High School
Program of Studies

Anchorage School District

Educating All Students for Success in Life

GRADUATION REQUIREMENTS

Students must complete 22.5 credits to receive a high school diploma.

1. **English Language Arts (ELA) . . . . . 4 credits**
   Four years of ELA are required: English I and II, and English III and IV or their equivalents

2. **Social Studies . . . . . 4 credits**
   World History, U.S. History, one semester of Alaska Studies, one semester of Economics, one semester of United States Government, one semester of a Social Studies elective. Students may waive the .5 credit social studies requirement by completion of Level III of a world language (ASL, Chinese, French, German, Japanese, Latin, Russian, or Spanish);immersion students may waive the .5 social studies requirement by completion of any one high school immersion course in the required immersion continuum.

3. **Mathematics. . . . . 3 credits**
   Six semesters of Mathematics electives. In order to satisfy the algebra requirements, students must complete one of the following options: Algebra I, semester 1 and 2; **or** Survey of Algebra 1 and 2; **or** Credit-by-Choice Challenge by Examination.

4. **Sciences . . . . . 3 credits**
   Three years (six semesters) of science credit are required. Two semesters must be life science. Two semesters must be physical science.

5. **Physical Education/Health Education . . . . . 1.5 credits**
   Three semesters of physical/health education are required. A wide variety of courses are offered at each school.
   Elective credit must be earned to replace a Physical Education/Health Education requirement that is waived.

   A) Students may obtain a waiver of .25 of the physical education graduation requirement for each full season of ASAA-sanctioned sports participation within the Anchorage School District.
   B) Students may also waive comparable physical education requirements through Credit By Choice, correspondence, or college coursework in Physical Education/Health.
   C) A maximum of 1.0 waiver of the physical education requirement is available upon successful completion of 2 years (four semesters) of JROTC.

6. **Electives . . . . . 7 credits**
   Fourteen semester courses have not been specified so as to provide students an opportunity to pursue individual educational goals. Electives may include additional courses in Language Arts, Social Studies, Mathematics, Science, Technology, Fine Arts, World Languages, Physical Education and Career Technology.

Total 22.5 credits

a. A student may be considered for graduation when he or she has acquired a minimum of 22.5 credits after grade 8 in required and elective subjects.

b. Seniors entering the ASD for the first time may graduate by meeting requirements of their previous school when the ASD requirements create hardship.

Anchorage School District

High School Program of Studies

This listing contains all courses approved by the Anchorage School Board as of the date below. Not all courses are simultaneously offered at every high school.

Revised July 2022

ASD Statement of Nondiscrimination

The Board is committed to an environment of nondiscrimination on the basis of sex, race, color, religion, gender identity, sexual orientation, national origin, ancestry, age, marital status, changes in marital status, pregnancy, parenthood, physical or mental disability, Vietnam era veteran status, genetic information, good faith reporting to the board on a matter of public concern, or any other unlawful consideration. No person shall, based solely on protected class, be excluded from participation in, or denied the benefits of, any academic or extracurricular program or educational opportunity or service offered by the District. The District will comply with the applicable statutes, regulations, and executive orders adopted by Federal, State and Municipal agencies. The District notes the concurrent applicability of the Individuals with Disabilities Education Act, Title II of the Americans with Disabilities Act and the relevant disability provisions of Alaska law.

Any student or employee who violates this policy will be subject to appropriate disciplinary action.

Inquiries or complaints may be addressed to ASD's Office of Equity and Compliance Senior Director, who also serves as the Title IX and ADA Coordinator, ASD Education Center, 5530 E. Northern Lights Blvd, Anchorage, AK 99504-3135 (907) 742-4132, Equity@asdk12.org., or to any of the following external agencies: **Alaska State Commission for Human Rights, Anchorage Equal Rights Commission, Equal Employment Opportunity Commission, or the Office for Civil Rights-U.S. Department of Education**. REVISED: 8/2007, 8/2012, 5/2013, 7/2014, 3/2017, 9/2017, 1/2020

For information contact:
Anchorage School District Education Center
Secondary Education
5530 E. Northern Lights Blvd.
Anchorage, Alaska 99504-3135
(907) 742-4256

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High School Alternative Programs/ Schools

The district has a number of special purpose programs for students with special interests and needs and where individualization is emphasized. Students earn credits and meet district requirements in a variety of ways and these programs are characterized by curricular innovation along with basic skills development. A brief description is included here. If you have any questions, check with your counselor.

Alaska Middle College

Alaska Middle College School (AMCS) is Alaska's first dual-enrollment high school in which students are concurrently enrolled in both high school and college courses. AMCS students have the opportunity to complete their high school graduation requirements while accruing college credits toward a wide array of degree programs. Some students may be able to earn their Associates Degree by the time they graduate high school depending on course load. College courses are taught by UAA faculty, and ASD teachers provide individualized academic support to ensure students are successful in their college courses as they undergo an early transition to college. College courses become a part of a student's college transcript as well as their ASD transcript.

Alaska Middle College is located on UAA's main campus where students have access to college professors, high school teachers, and support staff. Additionally, the Alaska Native Science and Engineering Program (ANSEP) is located on main campus and students attending that program have access to courses at AMCS in order to fulfill their requirements.

ASD Virtual

ASD Virtual is the Anchorage School District's online program. ASD Virtual provides high school students with opportunities to earn credit online. Through ASD Virtual's online classes, students have access to courses that may not be available at their school, that allow students to overcome scheduling challenges, and that meet student needs. Online courses may be taken as original course attempt, to replace a grade, or for academic advancement.

Bartlett High, Cook Inlet Tribal Council (CITC)

Cook Inlet Tribal Council (CITC) provides a spectrum of core content academic classes at Bartlett High School for Alaska Native and American Indian students. CITC teachers emphasize high expectations for academic excellence while providing students with an encouraging environment in which youth can fulfill their potential through education. CITC promotes the development of self-confidence, creativity, leadership, and traditional values by integrating hands-on, culturally responsive content and innovative practices into their academic classes and after-school activities.

Bartlett Medical Academy

The Medical Academy at Bartlett will prepare students to enter the work force or college with preparation in various facets of the medical field. Classes in Anatomy, Physiology, Forensics, Medical Terminology, Health Occupations, and Sports Injury Management will be available to students through the academy. Students do internships and shadow professionals at the Veterans Hospital next to the Bartlett campus for real life experience.

Bartlett, Integrated Honors High School (IHHS)

The Integrated Honors Program is a college-preparatory program designed to emphasize academic writing and analysis of classic literature. Beginning in 9th grade, students will take their Honors Language Arts course and Honors History course with a designated "Honor Team" comprised of one Honors Language Arts teacher and one Honors/AP History teacher for each grade level. Experience with the Seminar Method will begin in 9th grade and continue through the program. Students will be introduced the Honors Team in 9th grade and continue with the honors teams through graduation. "Cross connections are so important to the student's learning experience, and these connections can be found throughout the curriculum." In an effort to enhance student learning, the study of literature and history in all honors designated courses will be integrated and team-taught.

Benny Benson

Benny Benson is an alternative high school for students grades 9-12. Our Mission is to provide students with alternative opportunities to build solid foundations for lifelong success. At Benny Benson we focus on providing opportunities for students that are behind in credit, have been unsuccessful in traditional settings or have dropped out of high school. We work on meeting the educational needs of these students through a wide variety of course offerings and educational options. When students join us we develop an individualized learning plan to support their unique circumstances.

Our comprehensive curriculum includes, but is not limited to: required core academic classes, elective "intensives", independent courses, e-learning courses, project based learning, pre-vocational

exploration and work experience. All students that attend Benny Benson are required to participate in our Mentorship class that provides opportunities for the development of problem solving proficiency, decision-making skills, Social Emotional Learning, goal setting and career readiness skills.

Our alternative programs within Benson include:

Independent Program: The Independent program at Benny Benson offers students that are behind in credits an accelerated path to graduation. Students can earn credits quicker than at a traditional school setting (example 2.5 credits per quarter). Students will learn to work independently in a supportive environment.

Structured Learning Program: The Direct/Structured Learning program will help students develop individual and classroom skills and habits to become more organized and focused. Students may work toward credit recovery as well as the Direct/Structured Learning classes. The type of student who will benefit from Direct/Structured Learning is someone who struggles with learning habits such as organization, time-management, work-completion, and attendance. These students may be behind on credits or entering high school after an unsuccessful Middle School experience.

Project Based Learning Program: This program explores alternative academic approaches to create self-directed learners to experience pathways to success. The PBL program offers students an opportunity to direct their own learning through following their interests and strengths to produce projects and ideas for the real world.

Crossroads: Specialized program offered to pregnant and parenting teens in grades 9-12. The primary goal of Crossroads is to help students stay on track to graduate from high school, while supporting the student in having a healthy pregnancy and a good start to parenting their child, if they choose to raise their child.

Night School Program: This program is for students that are working a day job or have other obligations that prohibit them from attending during the day. They want to graduate and most importantly can work independently. The student will attend classes once per week so they must be self-motivated to work during the week and have work ready to turn in at night school.

Charter Schools

Charter school students, with principal approval, may take courses at comprehensive high schools or King Tech High.

Bettye Davis East Anchorage High School, Elitnaurvik (EWE)

Elitnaurvik-Within-East is designed specifically for Alaska Native and American Indian students. Elitnaurvik in Yupik means "a place to learn." EWE incorporates Native values and issues, and successfully addresses different learning styles in its activities and support components. EWE enjoys widespread support in the community. The primary emphasis is on building leadership through group participation, volunteerism, and empowering students to embrace their cultural heritage. Elitnaurvik provides culturally-based activities, counseling, tutoring, and after-school functions.

Bettye Davis East Anchorage High School, School-Within-A-School (SWS)

School within a school is a cohesive learning community within East Anchorage High School which provides a unique, enhanced learning experience for self-directed students with an emphasis on independent thinking and integrated learning with a focus on community development. SWS accomplishes this through a partnership of skilled, innovative teachers and staff, a small cohesive student population, and parental support. SWS offers a wide range of core and elective classes, including advanced placement and self-directed study classes. Students take world language, physical education, and vocational and fine arts offerings from the wide array offered in East High School. SWS students participate in East High activities that include sports, clubs, drama, dance, music, and student government. The SWS program has 240 students, including world exchange students with enrollment through the district lottery system. Siblings in SWS and students in the East High attendance zone have preference.

Chugiak High School Spanish Immersion Program

The district's K-12 Japanese, Russian and Spanish language immersion programs have designated feeder middle and high schools to ensure that students continue their immersion experience in a seamless, articulated sequence of higher level courses. Chugiak High School is the continuation of the Spanish immersion program from Chugiak Elementary and Mirror Lake Middle schools. In the high school program there is a four-year sequence of upper-level courses designed to increase students' language skills while learning through content. Spanish courses include *Vistas Juveniles del Mundo Hispano, Perspectivas Literarias, Estudios Latinoamericanos, and Advanced Placement Spanish Language.* High school immersion courses are designed to be rigorous and challenging for students while preparing them for upper division university coursework.

Chugiak, World Discovery Seminar Program (WDS)

The World Discovery Seminar Program is an alternative, smaller learning community and official ASD school-within-a-school that serves students at Chugiak High School. Rather than relying on textbooks, the program employs the Paideia methodology, a Socratic–based learning technique focusing on in-depth understanding of primary texts. With the teacher facilitating the discovery learning process, students explore, through writing and discussion, real life questions about literary and historical texts. In the Paideia seminar process, verbal and written discussion of the texts is emphasized over answering "end of chapter" questions.

Emphasis is placed on deeper learning, rather than general content. The basic concept is to assist young people to become avid, self-motivated learners. Interesting projects and hands-on activities are also fundamental to the class work. Self-expression is highlighted through the many varied activities comprising the World Discovery Seminar approach. Class dialogue allows the sharing of various opinions and experiences, which encourages students to draw their own conclusions. This helps all students

develop a greater, more profound understanding of literature, history, science, mathematics and philosophy.

Dimond High School Japanese Immersion Program

The district's K-12 Japanese, Russian and Spanish language immersion programs have designated feeder middle and high schools to ensure that students continue their immersion experience in a seamless, articulated sequence of higher level courses. Dimond High School is the continuation of the Japanese immersion program from Sand Lake Elementary and Mears Middle schools. The *Japanese for Fluent Speakers* course sequence includes an "Honors" course in which students are partnered with members of the local Japanese community in an "adopt-a-student" program. *Advanced Placement Japanese Language and Culture* is part of the course offerings in the High School Japanese Immersion sequence. High school immersion courses are designed to be rigorous and challenging for students while preparing them for upper division university coursework.

Dimond High School Engineering Academy

The DHS Engineering Academy is designed to prepare students for a two-year or a four-year engineering degree program. Five engineering courses follow the Project Lead the Way (PLTW) curriculum that may qualify for articulated agreements with universities in Alaska and across the U. S. Engineering Academy courses are project-based. Students are connected with engineering professors at UAA and with engineers in businesses that serve on the Engineering Academy Advisory Council.

Students may enter the Engineering Academy as freshmen and continue the four-year sequence or they may take individual courses when space is available.

Family Partnership Charter School

Family Partnership Charter School is a K-12 homeschool/correspondence program that focuses on personalized learning options, including flexible curriculum, online/distance ed., AP, university/college, and small group enrichment courses, in a partnership with with parents, vendors, and tutors. Our students also have the ability flex their school year, week, and school day to accommodate activities like sports training and travel, fine arts events, and work.

Frontier Charter School

Frontier Charter School is a K-12 correspondence study program that serves a multitude of students with diverse interests and needs. Individuals interested in a traditional homeschool education, pursuing advanced studies, behind in high school credits, or those with special needs as well as student-athletes that seek a flexible schedule, those with an interest in educational travel, and individuals that want to take online/correspondence courses all find valued resources and support. Frontier's program allows families to use public education funds to give students assess to a tremendous learning environment. Frontier students have the ability to take classes at UAA and receive dual credit, attend classes in other ASD schools, and take online courses from a wide variety of colleges and universities. Frontier students benefit from a customized daily schedule, the flexibility of a 12 month school year, and the personalized support of their own academic advisor.

Highland Academy

Highland Academy is a rigorous 6th-12th grade competency-based learning environment that promotes mastery learning across the curriculum. Students are placed at ability level in Language Arts and Math in order to meet specific needs. Teachers plan integrated projects in combination with traditional direct instruction approaches, using a variety of resources. Skills learned in one content area can often lead to standards met in another. We emphasize social-emotional learning, community-based and competency-based learning, and growth mindset through our blended learning program. When students graduate from Highland, they are prepared for the next step, whether that's jumping into a career or preparing for college We have a strong advisory program that supports academic, social, and emotional growth and students regularly present a reflection of their learning experiences throughout their time at Highland Academy.

King Tech High School (KTHS)

The Martin Luther King Jr. Tech High School offers career, vocational and technical training in more than 25 occupations for students primarily in grades 11–12. KTHS courses provide academic and elective credit, and some courses offer concurrent college credit through Tech Prep or credit toward post-secondary training programs such as apprenticeships. All KTHS courses are guided by an Advisory Council made up of experts from industry and post-secondary education, including apprenticeships and trade organizations. Courses at KTHS are delivered through hands-on learning with the latest technology and equipment. At KTHS students learn skills that will help them in post-secondary education, in a trade organization training program or going directly to work. Our students tell us that they are better prepared for life after high school because of the skills and knowledge gained through their KTHS classes.

Students spend the equivalent of three periods at KTHS and earn 1.5 credits for each semester class. Bus transportation is provided from students' home schools or they may drive. Students who meet requirements in their second semester may earn credit by doing on-the-job training with mentors throughout the city. Students may also earn credit toward graduation for working a part-time job that relates directly to their KTHS course. Please note that KTHS courses, at this time, do not meet NCAA Division I or Division II entry guidelines.

McLaughlin

McLaughlin Youth Center provides short-term and long-term residential care for institutionalized delinquent adolescents throughout the State of Alaska. The Anchorage School District administers a comprehensive educational program for McLaughlin residents. Students receive instruction in the core academic areas, as well as physical education, technology, and vocational studies.

P.A.I.D.E.I.A. Cooperative School

P.A.I.D.E.I.A. Cooperative School is a K-12 culture of aca-

demic innovation and adaptation, offering a personalized, customizable and blended learning plan for passion driven students and families. Students may take up to three classes at local ASD schools, attend small on-site core courses at P.A.I.D.E.I.A. and register for local university courses Staff assists students in coordinating business partnerships, internships and mentorships. Teachers work collaboratively with parents and colleagues to design custom programs utilizing hundreds of online class options and several pre-approved, pre-arranged credit options for family-developed plans and life experiences. The program is enhanced with exploratories, field trips and customized cooperative groups.

Polaris K–12 School

Polaris K-12 School is Anchorage's only brick and mortar school to have all grade levels from kindergarten to the senior year of high school. As an ASD alternative program, we differ in educational philosophy, grade level organization, student evaluation, curriculum, instructional methods, and student involvement. Our program is characterized by curricular innovation along with basic skills development and allows for an integrated curriculum and multi-age group learning based on student interests, needs, and developmental levels. Students are participants in creating a rigorous curriculum that exposes them to 21st century skills, learning traditional academic standards, developing civic responsibilities and policies, while also meeting their personal educational interests. Our program is for students, parents/guardians and teachers who want an emphasis on self-directed learning and active participation in community.

S.A.V.E. (Specialized Academic Vocational Education)

S.A.V.E. is an alternative high school offering a personalized educational path for 11th and 12th grade students who are behind in credit or who are not currently enrolled. As we seek to motivate and encourage students to become independent learners, student involvement is imperative in achieving academic success. Our blended-learning model provides teacher-directed instruction and small group learning opportunities. Students are evaluated monthly and expected to demonstrate academic and vocational progress. As a result, each student receives individualized instruction and support from our teachers and staff. Students must hold a part-time job and/or be enrolled at King Tech High School to fulfill their vocational expectations. Work experience and vocational training are counted as elective credits and serve as half of the student's educational day. The requirements for graduation at S.A.V.E High School are the same as the requirements for all secondary high schools in the Anchorage School District. Upon completion, students receive an ASD high school diploma.

Service High, Biomedical Career Academy (BCA)

The Biomedical Career Academy at Service aims to prepare students for a successful career in the healthcare industry. Classes within the BCA focus heavily on rigorous academics within a traditional curriculum, integrating healthcare and medically based activities within the classroom and community. Students have the option of preparing themselves for a position directly after high school within a healthcare setting and/or to focus on preparation for a traditional college degree.

All students are required to be members of HOSA (Health Occupation Students of America–a nationally recognized student healthcare organization) and will also be obtaining current first-aid/CPR certification. Students are also required to take Project Lead The Way Principals of Biomedical Science and Human Body Systems in the appropriate progression. Seniors, upon the successful completion of prerequisites, will take a capstone class which focuses on individual research and hands-on learning.

The BCA students will be interacting with our business partners in the community thus will be held to high standards of professional conduct and communication.

Service High, German Immersion Program

The district's K-12 Japanese, Russian, and Spanish language immersion programs have designated feeder middle and high schools to ensure that students continue their immersion experience in a seamless, articulated sequence of higher level courses. Service High School offers the advanced German immersion courses for students who have attended Rilke Schule's K-8 German immersion program. In the high school program there is a four-year sequence of upper-level courses designed to increase students' language skills while learning through content. German courses include: *Contemporary German Youth and Culture; Perspectives on German Culture through Literature, Film, and Media; Germany: Past and Present; and Advanced Placement German Language.* High School immersion courses are designed to be rigorous and challenging for students while preparing them for upper-level university coursework.

Service High, The Leadership Academy

The Leadership Academy at Service High School is centered around the Navy JROTC program and focuses on academic excellence, community service and academic/practical leadership training. Each year of participation in the Leadership Academy counts for one elective credit. Additionally, for each of the first two years of participation the student will have one-half credit of Physical Education credit waived. An in-house mentoring and tutoring program is provided for all Leadership Academy. The Leadership Academy prides itself on leading technology integration at Service High, making use of the latest in classroom technologies.

Service High, The Seminar School (TSS)

The Seminar School serves approximately 250 students and is characterized by the use of the Socratic seminar method, a strong sense of community and a learning environment that emphasizes independence, trust, personal responsibility and an open mind. The TSS curriculum is built on the consideration of classic texts that span the history and breadth of human experience. Students of the Seminar School are diverse in character and ability and work together in a multi-grade level setting (9–12) for a portion of their classes. Students can fulfill all language arts and social studies requirements along with some science and math requirements through TSS classes.

Steller Secondary School

Steller is a small alternative lottery school for grades 7th-12th. Steller is a school devoted to an educational setting which fosters the creation of independent, courageous people capable of dealing with the shifting complexities of the modern world. It runs on the energy and excitement of people who have committed themselves to self-directed learning. With the support of parents and staff, it attempts to help provide students with a humane education based upon freedom and responsibility.

The underlying idea of the school is that responsible freedom is a supreme good; people, including young people, have a right to this freedom. People who are encouraged to pursue their own path will, in general, be more open, more humane, more knowledgeable than people who are directed, manipulated, and ordered about.

We believe that every student should be free to establish his or her own path to becoming a more fully self-sufficient person. We recognize that this search takes place in the context of an interdependent world, and that part of this quest involves the recognition of each individual's role/responsibility in the larger community.

Students are responsible, to the extent each is capable, for defining their own educational goals, selecting, or devising a course of study to achieve these goals, and working to fulfill these goals. They are also responsible for assisting in the continuous evaluation of their performance in relation to these same goals.

Steller has various graduation requirements that vary from other traditional settings:

1. Students must complete 3 passages during their 9th-12th grades.
2. Students must fulfill a Speech requirement.

All Steller students are required to participate in "Intensives" twice a year as part of the school year.

For more information regarding our school please visit us at: **www.asdk12.org/steller**

West High, Anchor Media Production (AMP)

The Broadcast-Journalism Program at West Anchorage High School prepares students to enter the Journalism and Production Technologies pathways and the Visual Arts pathway: emphasis is on core skills needed to communicate a message for any type of organization/endeavor (be it creative, commercial, or personal) utilizing multimedia approaches including YouTube, Adobe Premier and Suite.

West High, Highly Gifted Program (HG)

The Highly Gifted Program at West High School is designed for the 9th–10th grade student whose educational needs cannot be met within the Honors Programs at the high school level. The first two years of the program offers a smaller learning community through clustered core classes. The emphasis on critical thinking and writing skills encourages depth and breadth of knowledge in all content areas.

West High, Medical Academy

The Medical Academy at West Anchorage High School prepares students to enter healthcare professions or college through preparation in science classes: Anatomy & Physiology; Biology; and Chemistry as well as medical classes: Health Occupation Essentials; Medical Terminology; Introduction to Pharmacy; First Aid; Emergency Trauma Technician; and Essentials of Athletic Injury Management. Students successfully completing their coursework and application, graduate with the West Anchorage High School, Medical Cord.

West High, Pre-IB

Students in 9th and 10th grade who wish to prepare themselves for the Diploma Program are encouraged to study the following courses: honors English and honors social studies, biology/chemistry, algebra/geometry or higher, a world language, and the arts.

West High, International Baccalaureate (IB)

The International Baccalaureate (IB) Diploma Program (DP) at West Anchorage High School encourages creative inquiry and critical thinking while helping students develop a global perspective. IB is a challenging two-year (11th-12th) pre-college course of studies in the tradition of the liberal arts. Diploma candidates must complete studies in six subject areas: English, a world language, history, science, math, and the arts. Additionally, students undertake an independent research project; participate in creative, physical, and social service activities; and take a class called Theory of Knowledge. The IB DP encourages students to develop independence of thought, creativity, inquiry skills, open-mindedness, and an ability to think critically and reflectively. West High is the only IB program in the Anchorage School District.

West High, Process Technology-Engineering

The West Anchorage High School, Process Technology-Engineering program is designed to prepare students for a two-year or a four-year process technology or engineering degree program. Students are introduced to Alaska's physical science based industries through Geology and Process Technology (designed to prepare students for a technical apprenticeship or degree program. The Introduction to Engineering Design course and the Introduction to Digital Electronics follow the Project Lead the Way (PLTW) curriculum exposing students to design processes.

West High, School-Business Partnership

The School-Business Partnership Program at West Anchorage High School prepares students to transition from school to work or school to college. Students develop career, business, service learning and leadership skills while working with the school business partners (interacting with the community in planning and directing fund-raisers, service learning projects, and board meetings). Students have the option for on-the-job training throughout the community. The School-Business Partnership class supports West Anchorage High School Career and Technical Education (CTE) programs transitioning students from school to active learning in the workplace.

West High School Language Immersion Programs

The district's K-12 Japanese, Russian and Spanish language immersion programs have designated feeder middle and high schools to ensure that students continue their immersion expe-

rience in a seamless, articulated sequence of higher level courses. West High School is the continuation of the Spanish two-way immersion program from Government Hill Elementary and Romig Middle schools. The two-way immersion program is the only one of its kind in Alaska. Students in this program are both English speakers and native Spanish-speakers who together become bilingual and biliterate in both Spanish and English. Native Spanish-speaking students and heritage Spanish speakers with literacy skills in Spanish are encouraged to enroll in this Spanish two-way immersion program. In the high school program there is a four-year sequence of upper-level courses designed to increase students' language skills while learning through content. Spanish courses include *Vistas Juveniles del Mundo Hispano, Perspectivas Literarias, Estudios Latinoamericanos,* and *Advanced Placement Spanish Language.* High school immersion courses are designed to be rigorous and challenging for students while preparing them for upper-division university coursework.

West High School is also the continuation of the Russian immersion program from Turnagain Elementary and Romig Middle schools. In the high school program there is a four-year sequence of upper-level courses designed to increase students' language skills while learning through content. Courses include *Sovremenaya Molodyoj' i kul'tura (Contemporary Youth and Culture), Vzgla'd na Rossiju cherez literaturu i SMI (Perspectives on Russia through Literature and Media), Rossia i Alyska: Istoricheskiye svyazi (Russia and Alaska: Historical Connections), and Advanced Placement Russian Language.* High school immersion courses are designed to be rigorous and challenging for students while preparing them for upper division university coursework

Non-resident tuition

By state law, all non-resident students attending schools of this district shall pay in advance the regular school tuition rate. (AS 9.030) This law pertains to students whose parents are not residents of the Municipality of Anchorage and who are not in the custody of a district resident. (ASD Policy Section 431.21) For more information about non-resident tuition, please contact the school principal.

About scheduling

Scheduling for the year starts in February with juniors and continues with sophomores, freshmen and current 8th graders.

A school's master schedule is developed by taking all student course requests (from a list of all approved ASD courses) and creating sections to accommodate the maximum number of student requests.

Some requested courses will not have sufficient demand to permit the class to be offered so students must be prepared with alternate requests.

To assure success in scheduling, each student and parent can:

1. Explore careers with a counselor and identify education needs.
2. Plan a four-year program (grades 9–12) that is based on tentative career choices.
3. Select courses carefully with a counselor. Parents are encouraged to consult a counselor before helping students select courses.
    a. Be fully aware of course content for each course being considered.
    b. Know the graduation requirements and make a check list for meeting those requirements.
    c. Be aware of the entrance requirements at potential post-secondary schools and NCAA requirements if athletic participation is contemplated at a Division I or II college.
    d. Have an alternative plan before coming to scheduling.

Alaska Performance Scholarship

The Alaska Performance Scholarship provides an opportunity for Alaska high school students to earn a scholarship to help cover the cost of an Alaska postsecondary education. Alaska high school students who take a more rigorous curriculum, get good grades, and score well on college placement or work ready exams, can earn an Alaska Performance Scholarship to qualified Alaska colleges, universities, or vocational/technical programs.

Course withdrawal procedures

The following are the procedures regarding withdrawing or changing a course:

1. Once students have selected their courses, there will be no schedule changes, including withdrawals, after the beginning of the grading period except as determined by the principal or his/her designee.
2. Any student whose absence is unauthorized for the first three days of a course may be withdrawn from the course and will need to reschedule.
3. No record shall be kept on a student who withdraws from a course with the principal's permission prior to the end of the 10th day of the course. Students who, after 10 days in a course, withdraw with the principal's permission will have WF (withdraw failing) recorded on their transcripts. The WF counts in the calculation of the Grade Point Average (GPA).

Grading procedures

Reporting periods are nine weeks in length although courses are taken by semester. In high school, the first report or grade is a notice of a student's progress up to the middle of the semester. The final semester grade is based on the total amount of contribution a student has made to the course during the entire semester and is the grade recorded on the transcript. In high school, if a student fails one semester of a full-year course and successfully completes the other semester of the same course, credit is granted for the semester successfully completed. Physical education classes are an exception because they are nine weeks in length and the quarter grade is recorded on the transcript.

Grading System

"A" This mark indicates the student has done work in quality and quantity far in excess of the standards set forth for a satisfactory grade in the course.

"B" This mark indicates that the student is doing work in quality and quantity above the standards set forth for a passing grade in the course.

"C" This mark is a satisfactory passing grade. It indicates that

the student is acquiring the necessary information to proceed in the subject. He/she is meeting the standards set for a passing grade in the course.

"D" This mark indicates that the student is not effectively mastering the work assigned but has sufficient understanding of the subject to justify the opinion that more growth will result from advancement than from repetition of the course.

"F" Insufficient progress in the subject to merit granting of credit in the course.

"WF" Student has been withdrawn from the course "failing."

"J" Audit— Principal approval is required. Indicates a student is auditing a course for his/her benefit. This does not count towards credit for graduation and must be approved prior to the 10th day of the course. Students are still required to complete course work.

Weighted grades

The Anchorage School Board has approved weighted grades for Advanced Placement (AP) and higher level International Baccalaureate (IB) courses. While an "A" is normally worth four points in calculating a student's grade point average (GPA), a weighted "A" is worth five points; a weighted "B" is worth four points; a weighted "C" is worth three points; a weighted "D" is worth two points and an "F" is worth no points. The Anchorage School District does not offer weighted grades for college course work.

Transcripts

High school transcripts are legal documents and may not be amended except to correct errors and enter replacement grades for repeated courses once courses and grades have been posted to the transcript. Prior to requesting inclusion of Credit by Choice grades, including high school credit for courses taken during middle school, consider the effect these non-weighted grades will have on class rank.

Honor roll

High school students earning a 3.5 grade average will be eligible for the honor roll. Any "F" or "D" grade will disqualify a student for that grading period. A high school student must be enrolled in a minimum of four subjects and grades in all courses to be considered.

Anchorage School District academic letter

To earn an ASD academic letter, any student who has fulfilled the criteria for Honor Roll in two consecutive semesters will be awarded an Academic Letter. These semesters need not fall in order of fall and spring semester, but may be considered consecutive if the GPA is earned in the spring semester and the following fall semester. Any semester the student meets the Honor Roll criteria subsequent to the awarding of the Academic Letter and earns a 3.5 to 4.0, a silver star is awarded. Any semester the student meets the Honor Roll criteria subsequent to the awarding of the Academic Letter and earns a 4.0 or higher, a gold star is awarded. A high school student must be enrolled in a minimum of four subject and grades in all courses to be considered.

Honors group

To give recognition for high scholastic achievement, the Anchorage School District has established standards for the selection of members of an Honors Group. A student who has a cumulative GPA of 3.5 after seven semesters will be eligible for membership in the Honors Group.

Honors distinctions are awarded at the school where the student is primarily enrolled. Honors graduates will be given recognition at graduation and on their transcript in the following manner:

1. Students with a GPA of 3.50 to **less than** 3.76 will be designated as having graduated Cum Laude;
2. Students with a GPA of 3.76 to 4.0 will be designated as having graduated Magna Cum Laude;
3. Students with a GPA of **greater than** 4.0 will be designated as having graduated Summa Cum Laude.

High school credit for middle school students

See "Program No. 7"

Credit By Choice program (CBC)

The Credit by Choice Program is designed to give students the opportunity to choose enriching learning experiences tailored to their personal educational needs and to have them recorded on their high school transcript. This program is open to high school students currently enrolled in the Anchorage School District.

An overview of each program option is given below. Details of requirements for each program are attached. While the Curriculum Assistant Principal and Counselors can respond to questions, it is the RESPONSIBILITY OF THE STUDENT TO WORK INDEPENDENTLY TO COMPLETE THE APPLICATION AND CARRY OUT A PROGRAM ACCORDING TO THE PRESCRIBED GUIDELINES.

General Guidelines

1. Students proposing a Credit by Choice (CBC) Program must have prior written approval of their parents and the Principal.
2. A certificated staff person must sponsor and/or supervise the student's program. In the case of the waiver, this will be the Principal.
3. ASD is the accrediting institution and sets standards for issuing credit/waivers. ASD is not the sponsoring agency for off-campus programs and is not responsible for the student's personal or financial liability. Program expense is the responsibility of the individual.
4. CBC courses will be titled as such on the student's transcript. Programs 1 (Educational Travel) and 6 (Community Service/Field Study) may only be taken for elective credit/waiver. Specific curriculum area credit will be recorded for Programs 2 (Correspondence Course), 3 (College Course Work), 4 (Early College Admissions Program), and 5 (Credit by Examination). Credit by Examination may not be done for Physical Education credit.

5. Since CBC registration is recorded only upon program completion, CBC is not a course that can be included for calculating eligibility for full-time student status.
6. The grade received will be incorporated into the student's high school grade point average (GPA) and will be counted to determine class rank and valedictorian. When computing valedictorian status, the ratio of weighted advanced placement to regular graded classes is significant.

Program No. 1 – Educational Travel

Credit may be earned for a planned learning experience gained through participation in a travel/study tour. The Curriculum

Assistant Principal must approve both the specific tour and teacher/sponsor before students may apply. Questions concerning specific credit requirements during travel/study tours should be directed to the teacher/sponsor.

- A three-week tour program is eligible for 0.5 unit of credit and a six-week program may earn 1.0 unit of credit.
- Travel supervisors must submit a completed application with supporting materials to the Curriculum Assistant Principal for approval by April 15. Proposals must outline the type of educational travel, travel supervisor's name, past experience with student travel, name of sponsoring company/affiliation, dates of departure and return, estimated number of student participants, goals and objectives, proposed itinerary, evaluation criteria, information on liability/medical coverage for participants, parent information forms and copies of releases. Forward a copy of the approved "Request for Out-Of-District Travel" (form J – available from the Activities Office), taking care to specify names of sponsors/chaperones.
- A student desiring credit for approved educational travel must complete the Credit by Choice application and submit it to the Curriculum Assistant Principal in advance of the trip. Upon completion of the travel, the supervisor must provide the Curriculum Assistant Principal with grade reports and submit supporting grade book and legend to the Registrar.

Program No. 2 – Correspondence Course

The purpose of the correspondence is to meet special needs of students as approved by the school administration. Due consideration will be given to the student's record in completing independent studies. To be approved, correspondence programs must be accredited. Courses must be proctored by certificated staff.

- As of August 2008, approved correspondence programs include: University of Nebraska, University of North Dakota and Brigham Young University, and the Native Heritage Center Advanced Academics. Others may be considered upon request. Application for approval of other programs may be done through the Curriculum Assistant Principal.
- Correspondence courses may be used for both makeup and acceleration.
- A copy of the correspondence school application must accompany the Credit by Choice application and must be received by the Curriculum Assistant Principal prior to the beginning of the course.
- Upon completion, the student must submit proof of grade to the Curriculum Assistant Principal.

Program No. 3 – College Course Work

Credits earned through accredited institutions of higher learning can fulfill credits needed for graduation from ASD. A 1-2 credit hour university course equates to .5 ASD units; a 3-4 credit hour university course equates to 1.0 ASD units; and a 5-6 credit hour university course equates 1.5 ASD units. It is the student's responsibility to submit university transcripts to his or her home school.

APU

The APU Early Honors Program will provide admitted and qualified students a two-semester program of study that includes college level coursework which will at the same time satisfy high school graduation requirements. In consultation with the Director of the Early Honors Program and the local school counselor, the student will develop an Individual Learning Plan to assure that district graduation requirements will be met. Students will be concurrently enrolled in their home high schools. Because schools will continue to receive federal and state funding for these students, students are not eligible for federal financial aid at Alaska Pacific University, although they may be eligible for university-granted financial aid, based on need.

Program No. 4 – Early College Admissions Program

This program would allow outstanding students with a grade point average of 3.5 or above to leave high school for college work prior to having the time and credits for graduation. The student would have the option of receiving his/her high school diploma after successfully completing the first year of college. ASD graduation requirements must be met in order to receive a high school diploma. The program would serve the student who has made definite plans for master and doctoral work.

- To be considered, a student must have maintained at least a 3.5 GPA during the first three years of high school and all required grade level courses must have been completed prior to application for this Credit by Choice program.
- Tentative acceptance by a college or university must be in evidence. It is the student's responsibility to determine whether college coursework accepted by the Anchorage School District will also be accepted for credit by the college.
- Upon completion of 24 undergraduate semester hours of credit at the college level, the student must furnish a transcript to the Curriculum Assistant Principal so that a high school diploma may be granted.

Program No. 5 – Credit by Examination (Course Challenge)

Credit by Examination (Course Challenge) (AS 14.03.073 Sections 2 and 3 of the Alaska Safe Children's Act) is an opportunity for students in grades 9-12 to receive credit through a testing process. Assessments determined by the Curriculum

Coordinators will be used in most instances to challenge courses in mathematics, language arts, science, social studies, and world languages by demonstrating mastery of course material.

- The student can apply to challenge a course through examination in August or December or as individually scheduled. The course challenge request must be submitted before the course has begins for the student.
- Upon receipt of an approved application for Credit by Examination (Course Challenge), the Principal (or designee) will appoint an examiner.
- The examiner will pull the assessment off the ASD Assessment Library whenever possible or request an assessment from the content Curriculum Coordinator.
- The examiner is expected to proctor the test, notify the Principal (or designee) of the results, and submit the test materials to the Registrar.
- A ninety-percent (90%) score is required to receive an A. An eighty-percent (80%) score is required to receive a B. Less than 80% will not receive a credit.
- A student cannot be granted Credit by Examination for a course in which he or she has previously earned credit nor may he or she earn credit for a prerequisite course if they are presently enrolled in or have previously earned credit in an advanced course.
- If credit is denied, a student may not reapply for a Course Challenge for the same course.
- Only approved ASD courses can be challenged.
- No fee is attached to the course challenge.

Program No. 6 – Community Service, Field Study, and Physical Education Credit

Credit may be earned through a planned community service program that provides learning experiences in the community.

Students may also propose field studies in the community, such as a research project using the community or a unique educational opportunity, including physical education activities, available only in the field. One hundred twenty (120) hours of acceptable service will earn 0.5 unit of credit/waiver. Program approval may be done at individual school sites, but pre-approved District programs include the following:

- Anchorage Youth Court
- Anchorage Youth Court Summer Camp
- Johns Hopkins University Institute for the Academic Advancement of Youth
- Western Alaska Council/ Scouts of America Explorer Program\
- Peer Education Teen Trainers
- Anchorage Youth Symphony (pass/fail only, therefore does not count in GPA calculation)
- Alaska Points of Light Youth Leadership Institute (plus additional hours to total 120)
- Alaska Native Heritage Center courses
- Cook Inlet Tribal Council
- Big Brothers/Big Sisters, High School Bigs Program
- Alaska Theatre of Youth-Summer Conservatory
- Going Places – Alaska Tourism Curriculum
- Trio Talent Search Upward Bound Program/Upward Bound Summer Program
- Youth Employment in Parks & Recreation Program
- Outdoor Experience, Writing & Leadership (Puqigtut)
- South Central Foundation RAISE Intern Program
- Shiloh Community Development, Inc
- Concordia Language Villages are accredited by Cognia. Transcripts from Concordia should be sent directly to the home school
- Fishing Work - Documentation Requirement below:
  - » Pay stubs or
  - » Permits or bill of sale for commercial fishing work
  - » igned letter from boat captain or supervisor describing work activities. Letter must include the supervisor's name, dates of work, name of boat and areas fished.
  - » Signed hourly log with dates and hours worked

Physical Education Credit:

Students proposing a P.E. Credit by Choice (CBC) Program must have prior written approval of their parents and the Principal.

The program approval process is completed by individual school sites.

a. Physical Education programs will be approved on a case-by-case basis where the program covers four of the six recognized components of fitness.
b. One hundred twenty (120) hours of acceptable activity/ records will earn an equivalent 0.5 P.E. credit
c. Student proposals must include the following information:
   i. Student name, coach's name and contact number
   ii. Description of coach's qualifications
   iii. Detailed training outline with goals and objectives from the coach including a description of how four of the six components of fitness are addressed
   iv. Attach any available evidence of equivalence to ASD approved high school courses
d. Student desiring a physical education credit must also submit 4 journal entries, one for each 30-hour segment (see form)

P.E. CBC courses will be titled as such on the student's transcript. CBC: PE/Boxing; CBC: PE/Swim

Program No. 7 – High School Credit for Middle School Courses

MIDDLE SCHOOL MATH: Students may request middle school course work in math (Algebra I or higher) to be added to their high school transcript any time after their ninth grade year. Upon approval, the credit and grade will be added on to the transcript to the first semester of the ninth grade year. **Once entered on a high school transcript, grades will not be removed from this legal document.**

**Due to the COVID-19 pandemic in spring of 2020, ASD will allow for seventh/eighth grade students in the 2019-20 school year to use the average of their first, second and third quarter grades if they choose to opt into this incentive credit option. This would be valid throughout their entire high school career (through spring of 2024).

MIDDLE SCHOOL WORLD LANGUAGE: Research indicates that the study of another language is most effectively accomplished if it begins at an early age, is sequential and continues for a long term without interruption. To encourage more students to begin language study in the middle school and continue into Level II as ninth graders, the Anchorage School District offers a World Languages Incentive credit-by-choice option.

The World Languages Incentive Credit is an opportunity for students who have studied two years of a language at the middle school (courses 1A and 1B) to earn one graded elective credit. Students must meet the following requirements in order to receive the World Languages Incentive Credit:

- Enroll in Level II (same language as in middle school) in the ninth grade year.
- Complete both semesters of Level II with a "C" or better.
- Request that the incentive credit be added to their high school transcript in accordance with the ASD Credit-by-Choice program.

The World Languages Incentive Credit is one graded credit. The student's fourth quarter grade from the eighth grade language course is the grade posted on the transcript in the ninth grade year. The graded credit will affect the student's overall GPA and class rank. **Transcripts are legal documents and will not be changed once credit is recorded.**

**Due to the COVID-19 pandemic in spring of 2020, ASD will allow for eighth-grade students in the 2019-20 school year to use their third quarter grade if they choose to opt into this incentive credit option. This would be valid throughout their entire high school career (through spring of 2024).

IMMERSION INCENTIVE CREDIT: Although ASD immersion programs are designed as a K-12 continuum with both a middle and high school continuation strand, the district also recognizes that students may have other interests as they enter high school and may choose to no longer pursue the study of their immersion language. The Immersion Incentive Credit allows students who have completed an immersion program through the end of their 8th grade year to bring up one credit through the credit-by-choice option, documenting their K-8 immersion experience on their high school transcript. Immersion students may still apply for this credit even if they remain in the immersion program throughout high school.

The Immersion Incentive Credit is one graded credit. The student's 4th quarter grade from the eighth grade immersion language course is added to the high school transcript any time after their 9th grade year. The graded credit will affect the student's overall GPA and class rank. Transcripts are legal documents and will not be changed once credit is recorded.

Program No. 8 - Basic Training Credit

High school credit for Alaska Army National Guard Military Training: .5 Health/PE 1.0 Elective Credit.

The student has successfully completed Alaska Army National Guard Basic Combat Training, Advanced Individual Training or both, prior to graduation.

- The student can provide Alaska Army National Guard course transcripts, training verification forms, or any other documentation reflecting successful completion of training.
- The student has met all other requirements for graduation and needs only the credits the student will earn from the training to graduate
- The Student has completed the student's third year of high school; is at least 17 years of age

Independent study

Senior high school students who have the self-discipline and interest for working independently may design a course of study according to their interests, abilities and plans. The course of study must contain requirements above the expected level of the regular class. Independent study is available at every high school but is not intended to duplicate courses already in the master schedule. Students should contact their counselors for more information and principal approval.

Student foreign exchange programs

The following information is necessary in order for a student to go from the Anchorage School District (ASD) to another country as an exchange student and return with credits that will count toward the student's graduation.

A. Prior to leaving for the exchange, a meeting between the student, parent/guardian and counselor must be initiated by the parent to prepare and complete the following:
   1. Credit Check
   2. Official transcript reflecting all courses completed
   3. Written plan for completion of graduation requirements upon return to the Anchorage School District that includes any correspondence courses the student may be taking during the exchange.

B. During the student's participation in the exchange program, the following two options are available for awarding credits:
   1. The student is provided an official transcript by the school they are attending in a foreign country which lists the course title, credit earned and grade. The student will need to provide the Anchorage School District with a course outline for each course listed on the transcript as well as a description of the official grading policies. The course outline will be used by ASD to determine whether the course meets a core academic requirement or will be elective credit.
   2. If a student is not able to receive an official transcript with recorded grades, the following must be provided to the Anchorage School District upon the student's return so decisions can be made regarding the awarding of credit:
      a. A list of courses taken with an official course outline. This needs to be signed by an administrator at the exchange school for verification. The course outline will be used by ASD to determine whether the course meets a core academic requirement or will be elective credit.
      b. An official accounting of time spent in each class. This must include the length of each class, number of days per week and the number of weeks the class meets. This must be signed by an administrator at the exchange school for verification.

C. Evaluation of an exchange student's transcript when returning from a foreign country and awarding of credit will be based upon the following:
   1. If the student provides an official transcript with recorded grades, the student will be able to select either option "a" or "b" for recording of grades:
      a. P = Pass
      b. Letter Grade of A (90-100), B (80-89), C (70-79), D (60-69), F (below 60). Courses not completed will not be recorded.
   2. If the student is not able to provide an official transcript with recorded grades, an evaluation of the student's work will be completed by the principal or designee and credit awarded based upon the following:
      a. 1/4 credit = 37 contact hours
      b. 1/2 credit = 75 contact hours
      c. 1 credit = 150 contact hours

      The course outlines and accounting of time spent in each class will be used when making decisions about whether the course meets a core academic requirement or will be awarded elective credit. All credits awarded through an evaluation of course outlines and time spent in class will be graded on a pass/fail basis.
   3. Since there is such a wide variation in school calendars in foreign countries, it is possible that the student may receive some grades and credits on an official transcript and some that are still in progress. The student has the option of receiving some of the credits through an official transcript from the exchange school as well as some credits by providing the documentation of time spent in class and course outlines.

If the student does not comply with the above requirements and records are either not provided or are incomplete, the student may risk losing credits needed for graduation. It is also possible that the student may need to take a correspondence course(s) while on the exchange in order to complete all of the graduation requirements.

Alaska School Activities Association (ASAA) eligibility for sports and activities

Participation in middle and high school athletics is a privilege. All students are expected to comply with local, state, and federal laws and the rules and regulations of the Anchorage School District. Students will be subject to denial of the ability to participate if they: do not meet eligibility requirements, engage in behavior that is detrimental to the well being of the team or school, are in violation of the tobacco rule, are in violation of the drug and alcohol rule, or commit criminal acts as defined in the ASD Statement of Students Right and Responsibilities. In all cases the Superintendent or his/her designee retains the right to review and revise any disciplinary action. Please refer to **ASAA website** for a complete description of the ASAA requirements.

National Collegiate Athletic Association (NCAA) eligibility

Parents should review the **NCAA website** for complete eligibility rules

Tech Prep: college credits/trade organizations

Tech Prep is an articulation agreement between the Anchorage School District and post-secondary institutions in the University of Alaska system and various trade organizations (TO)*. ASD students may earn lower level division college credit when successfully completing high school tech prep courses or other advancements with the trade organizations. With the ASD articulations, a small registration fee and successful completion of the ASD course will earn students a credit recorded on their permanent college transcript. College credits provide a head start towards a post-secondary certification or degree, may be transferable to other universities or colleges and activate the services for prospective students provided by the university's advising and counseling office. The following courses presently have tech prep agreements:

Alaska Railroad Tour Guide Program (KTHS) – UAF
Automotive Maintenance Technology (KTHS) – UAA
Aviation Maintenance Technology (KTHS) – UAA
Aviation Technology (KTHS) – UAA
Carpentry (KTHS) – TO*
Computer-Aided Drafting 3 – UAA
Construction Electricity (KTHS) – TO*
Culinary Arts (KTHS) – UAA, UAF
Electronics and Telecommunications Technology (KTHS) – UAA
Emergency Medical Technology (KTHS) – UAA
Emergency Trauma Technology – UAA
Fire & Rescue Service (KTHS) – UAA, TO*
Introduction to Pharmacy – UAA
Medical Terminology – UAA
Natural Resources Management (KTHS) – UAA, UAF
Process Technology 1 - UAF
ProStart – UAA
Public Safety & Security (KTHS) – UAF
Welding (KTHS) – UAA, TO*

For more detailed information, please contact Career and Technology Education, your high school counseling department, or the instructor in any of the above listed courses.

**The following trade organizations have articulation agreements with ASD: Alaska Joint Electrical Apprenticeship and Training Trust; Alaska Operating Engineers/Employers Training Trust; Associated Builders and Contractors of Alaska, Inc.; Ironworkers Local Union 751; and Southern Alaska Carpenters Union Training Center. The following post-secondary schools have articulation agreements with ASD: University of Alaska Anchorage, University of Alaska Fairbanks, and Kenai Peninsula College.*

Alternative credits

The following Career and Technical Education courses can be taken for alternative academic credit when offered at Anchorage high schools. Courses taught at King Tech High that provide alternative credits are listed on page 13.

Applied Technology and Construction
Applied Technology and Engineering
Aviation Science
BioTapp 1 and 2
Broadcast Journalism I and II
Child Development and Parenting
Emergency Trauma Technology
Essentials of Athletic Injury SC
Health Occupations Essentials
Introduction to Pharmacy
Introduction to Veterinary Science
Material Science 1 and 2
Medical Terminology
Physiology of Wellness
PLTW Aerospace Engineering
PLTW Biomedical Innovations
PLTW Civil Engineering & Architecture
PLTW Computer Integrated Manufacturing
PLTW Digital Electronics
PLTW Engineering Design & Development
PLTW Human Body Systems
PLTW Introduction to Engineering Design
PLTW Medical Interventions
PLTW Principles of Biomedical Sciences
PLTW Principles of Engineering
Process Technology 1

COURSE DESCRIPTIONS

The following information may aid you in understanding the course descriptions and other information contained in this Program of Studies planner.

Not all courses listed here are offered in all schools at any one time.

Materials fee required

Some courses will contain this phrase. Such classes require students to purchase items that are personally consumed or are projects which when completed are taken home. This requirement is found in most art, family & consumer science, and career technology courses.

Other requirements

Some courses have unique needs which are the student's responsibility. For example, ice hockey requires students to furnish their own skates and music classes require students to supply their own instruments.

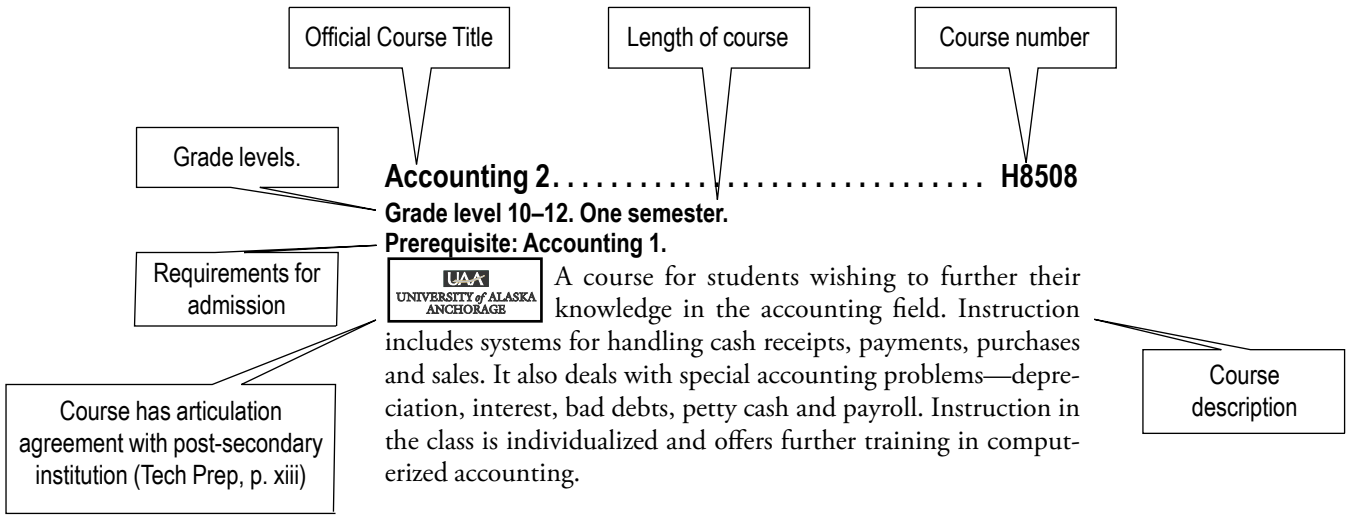
Course length

If a course is a semester in length, credit will be awarded for successful completion at the end of each semester. If a course is a quarter in length, credit will be awarded for successful completion at the end of each quarter. Quarter credit is not given for successfully completing nine weeks of a semester course. A Roman numeral (I, II, III etc.) following a course title denotes a two-semester course when there is more than one level of the course offered. An example is Algebra I and Algebra II. A two-semester course that has only one level offered, e.g., Geometry, will not have a Roman numeral designation behind it. An Arabic number (1, 2, 3 etc.) indicates a one-semester course when more than one level of the course is available. An example would be Computer-Aided Drafting 1, 2, and 3. A one-semester course that does not have a second or third level, e.g., Introduction to Marketing, would not have an Arabic number designation.

Course repeatability

Most courses listed in the Program of Studies have specific content and may not be repeated for credit. Because of individualized content, some courses may be repeated for credit and these are noted at the end of the course description.

How to Read A Course Description



CAREER & TECHNICAL EDUCATION

Understanding our Programs and choosing the right course

Career Technical Education (CTE) uses the National Career Clusters® Framework to create a structured and connected sequence of courses that lead to careers in high demand occupations in Alaska and across the nation. Pathways are aligned to industry and national standards and advanced courses may provide industry certification, credentials and/or post-secondary credit. CTE offers courses across 15 different career clusters:

- Agriculture, Food & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communication
- Business Management & Administration
- Education & Training
- Engineering Technology
- Finance
- Health Science
- Hospitality & Tourism
- Human Services
- Information Technology
- Law, Public Safety, Corrections & Security
- Manufacturing
- Transportation, Distribution & Logistics

Comprehensive High School Programs and Courses

The following programs are offered at the comprehensive high schools. Specific program availability for each high school can be found on the Career Technical Education website: **www.asdk12.org/cte**

Architecture and Construction

This career cluster focuses on designing, planning, managing, building and maintaining the built environment.

Construction Technology 1 . . . . . H8578

Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science

This is not your old-school shop class. Tinkering, community involvement, and creativity are encouraged while still emphasizing a solid foundation in universal construction and carpentry techniques through fun, hands-on projects. Explore exciting career options in the trades and learn the essential work-ready practices for entering the workforce. This course is inclusive of everyone: whether you were born with a hammer or have never stepped foot in a shop before, the ability to customize projects means that you can tailor the final product to your individual skill level and actually build stuff that YOU like!

Construction Technology 2 . . . . . H8575

Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science

The construction trades in Alaska do things a little differently than in the lower 48 to accommodate the harsh climate conditions. This course will continue to build a solid foundation in universal construction and carpentry techniques, while simultaneously introducing the most critical elements of Building Science to understand the why and how behind cold climate construction. In addition to building furniture and tiny enclosed structures, you will perform a variety of lab experiments on your finished pieces to test the compatibility of different materials and building techniques to our local environment.

Construction Technology 3 . . . . . H8576

Grade level 9-12. One semester
Prerequisite: Material Science
Academic credit: .5 Physical Science

The second course in the Material Science series builds upon the skills and knowledge students gain in MS1, involving these students in higher levels of design and construction, giving them supervisory responsibilities, as well as teaching them the fundamentals of cabinetry and finishing carpentry. Like its prerequisite, Material Science I, portions of this course are taught using a nationally recognized Occupational Skills Curriculum developed by the National Center for Construction Education and Research (NCCER). Students taking this course have the opportunity to complete CORE Certification by NCCER (at no cost).

Applied Tech & Engineering H8577

Grade level 9-12. One semester
Prerequisite: None.
Academic credit: .5 Physical Science

Applied Technology and Engineering Science is a gateway course in the Engineering pathway. This hands-on course couples technology education with introductory engineering exploration. Included within this course are engineering design using computer aided drafting, engineering principles and processes, worksite safety, and an introduction to the proper use of hand and power tools.

Arts, A/V Technology & Communications

This career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Broadcast Journalism I H0801

Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 ELA elective

Explore foundational skills in broadcast journalism; including ethics, laws, history, career exploration and camera presence. Develop communicative writing skills for broadcast news. Employ interviewing, revision, and editing skills to produce polished news pieces. At the end of this course, examine and reflect on developed skills.

Broadcast Journalism II H0802

Grade level 9-12. One semester
Prerequisite: Broadcast Journalism I
Academic credit: .5 ELA elective

Develop advanced writing, editing and news production skills. In-depth and technical journalism skills will be utilized to focus on thematic news writing and production. Gain specific skills, focusing on broadcasting and purpose-driven video editing skills. Explore and research the various career paths of broadcast journalism and how they can apply their skills in various careers. Successful completion of this course prepares participants for the journalistic aspects of the Arts, A/V Technology, and Communications pathway capstone course.

Media & Broadcast Foundations H8515

Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 Elective

Media and Broadcasting Foundations is a foundational course where students will explore the use of multimedia to tell a compelling story. The course will serve as an entry point for both the Journalism & Production Technologies pathways and the Visual Arts pathway. Its primary emphasis is on the core skills needed to communicate a message for any type of organization or endeavor, be it creative, commercial, or personal. In doing so, students will experiment with the use of a wide range of modern media types, discuss the history and ethics of media, and explore related potential careers. Students will learn technical skills needed to operate digital video and camera equipment and earn industry recognized certification.

Production Studio H8160

Grade level 11-12. One semester
Prerequisite: Broadcast Journalism or Production Technologies
Academic credit: .5 Elective

Students will develop leadership and team working skills Develop leadership and team working skills while gaining experience running and managing all aspects of a professional broadcast media company. During this course, put all skills from prior pathway classes to use in the live production of daily news broadcasts with diverse teams and experience the value of each working position in a live broadcast setting. Develop graphics, run cameras, anchor, mix feeds, create keys, and manage the logistics of live streaming content. Culmination of the course will lead to a professional portfolio along with a knowledge of educational, entrepreneurial, and career opportunities.

Production Technologies I H8161

Grade level 9-12. One semester
Prerequisite: None
Academic credit: .5 Elective

Develop skills in audio and video production using a range of cameras, audio recording, and audio mixing devices. Become familiar with various multimedia editing suites. Participate in the various aspects of a daily news broadcast. At the end of this course students are prepared to produce content and tell their own digital story.

Production Technologies II H8162

Grade level 10-12. One semester
Prerequisite: Production Technologies I
Academic credit: .5 Elective

Explore more technical aspects of audio and video production. Advance skills in modern and changing equipment. Gain focused experience in professional editing software. Successful completion of this course prepares participants for the technical aspects of the Arts, A/V Technology, and Communications pathway capstone course

Education & Training

This career cluster focuses on planning, managing and providing education and training services and related learning support services.

Teaching and Training

Teachers and trainers are skilled communicators who work to inspire trust and confidence in students and motive them to succeed. Educators must be able to recognize and respond to individual student differences and employ many teaching strategies to engage students in learning.

Leadership Development H8270

Grade level: 10-12 One semester
Prerequisite: None
Academic Credit: .5 ELA Elective

Leadership Development is the essential first course in preparing students to become educators. Students will develop skills to become reflective, self-aware learners while building capacity as school and community leaders. Focused on the skills and dispositions required to lead, students will explore equity in education and how personal bias influence how they teach and learn. Students will explore their personal values identifying passions, strengths, and challenges to build a career and learning plan.

Education: Dev & Psychology H8271

Grade level: 10-12 One semester
Prerequisite: None
Academic Credit: .5 ELA Elective

Educational Development & Psychology explores the development of students across the learning continuum and the importance of understanding students as learners. Students will learn about the diversity of learners in an education system and how educators prepare to meet the needs of all students. In preparation for teaching in a culturally diverse system, students will explore the role of the educator in developing a classroom of respect that embraces diversity and empowers students.

Education: Learning Culture H8272

Grade level: 10-12 One semester
Prerequisite: None
Academic Credit: .5 Elective

Learning Culture focuses on the learning environments that facilitate student growth. Students will explore how educators create an engaging learning environment that provides culturally relevant learning opportunities and the instructional strategies that support students' self-efficacy. Students will develop lesson plans and facilitate instruction in classrooms within their school or community.

Education: Developing Professional H8273

Grade level: 10-12 One semester
Prerequisite: None
Academic Credit: .5 Elective

Developing Professional emphasizes student clinical experiences and the continued development of the education professional. Using reflective practices, students develop and deliver lesson plans that pull together all the elements learned in previous courses. Students will spend time building their professional portfolio and network while developing a learning and career plan.

Engineering Technology

This career cluster focuses on planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, and engineering) including laboratory and testing services, and research and development services.

PLTW Aerospace Engineering. H8933

Grade level: 11-12. Two semesters
Prerequisite: PLTW IED or PLTW Engineering Essentials
Academic Credit: .5 Physical Science per semester

This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

PLTW Intro to Engineering Design H8110

Grade level 9. Two semesters
Prerequisite: Concurrent enrollment or completion of Algebra 1
Academic credit: .5 Physical Science per semester

Introduction to Engineering Design (IED) is a course that is appropriate for students who are interested in design and engineering or other STEM careers. The major focus of the IED course is to expose students to a design process, professional communication and collaboration methods, design ethics, and technical documentation. IED gives students the opportunity to develop skills in research and analysis, teamwork, technical writing, engineering graphics, and problem solving through activity-, project-, and problem-based (APPB) learning. Students will use industry standard 3D solid modeling software to facilitate the design and documentation of their solutions to design problems and challenges.

PLTW Civil Eng and Architecture H8000

Grade level 11-12. Two semesters
Prerequisite: Algebra 1, Intro to Engineering Design or CAD 1
Academic credit: .5 Physical Science per semester

Civil Engineering and Architecture is the study of the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building and site design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry.

Students will use industry standard 3D architectural modeling software to facilitate site and building design and technical documentation. As the course progresses and the complexity of the design problems increase, students will learn more advanced computer modeling skills as they become more independent in their learning, more professional in their collaboration and communication, and more experienced in problem solving and design.

PLTW Principles of Engineering H8116

Grade level 10-12. Two semesters
Prerequisite: Concurrent enrollment or completion of Geometry
Academic credit: .5 Physical Science per semester

Principles of Engineering (POE) is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

PLTW Digital Electronics H8112

Grade level 10-12. Two semesters
Prerequisite: Concurrent enrollment or completion of Algebra 1
Academic credit: .5 Physical Science per semester

From smartphones to appliances, digital circuits are all around us. This Digital Electronics (DE) course provides a foundation for students who are interested in electrical engineering, electronics, or circuit design. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices.

PLTW Comp Integrated Manufacturing. H8114

Grade level 11-12. Two semesters
Prerequisite: Algebra 1
Academic credit: .5 Physical Science per semester

Computer Integrated Manufacturing is one of the specialization courses in the PLTW Engineering program. The course deepens the skills and knowledge of an engineering student within the context of efficiently creating the products all around us. Students build upon their Computer Aided Design (CAD) experience through the use of Computer Aided Manufacturing (CAM) software. CAM transforms a digital design into a program that a Computer Numerical Controlled (CNC) mill uses to transform a block of raw material into a product designed by a student. Students learn and apply concepts related to integrating robotic systems such as Automated Guided Vehicles (AGV) and robotic arms into manufacturing systems. Throughout the course students learn about manufacturing processes and systems. This course culminates with a capstone project where students design, build, program, and present a manufacturing system model capable of creating a product.

PLTW Engineering Design & Development H8931

Grade level 12. Two semesters
Prerequisite: 3 PLTW courses including Principles of Engineering
Academic credit: .5 Physical Science per semester

Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process.

The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Students will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process.

PLTW Enviromental Sustainability H8937

Grade Level: 10-12
Prerequisite: Biology
Academic Credit: .5 Life Science per semester

Environmental Sustainability (ES) is a high school-level specialization course in PLTW Engineering. In ES, students investigate and design solutions to solve real-world challenges related to clean drinking water, a stable food supply, and renewable energy. Students are introduced to environmental issues and use the engineering design process to research and design potential solutions. Utilizing the activity-, project-, problem-based (APB) teaching and learning pedagogy, students transition from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Process Technology 1 . . . . . H8140

Grade level 10-12. Two semesters
Prerequisite: Biology
Academic credit: .5 Physical Science per semester

University of Alaska Fairbanks

This course is an introduction to process operations in the Process Technology industry through an overview of general information, processes, procedures, and equipment. Processing techniques used in oil & gas, chemical, mining, power generation and waste water industries will be investigated. In addition, workplace information such as safety, quality, team building is introduced. Finally, basic processing equipment such as piping, valves, pumps, compressors, turbines, motors, etc. will also be introduced.

Finance

This career cluster focuses on planning and services for financial and investment planning, banking, insurance, and business financial management.

Accounting 1 . . . . . H8508

Grade level 10-12. One semester
Prerequisite: None
Academic credit: .5 Elective

This is a semester long course in which students acquire knowledge of accounting cycles of service organizations and merchandisers focusing on the recording of business transactions and preparations of financial statements.

Accounting 2 . . . . . H8509

Grade level 10-12. One semester
Prerequisite: Accounting 1
Academic credit: .5 Elective

This course is a semester long for students who are wishing to further their knowledge in the accounting field and designed to provide students with the fundamental skills needed to understand the basic accounting cycle for a sole proprietorship.

Accounting 3 . . . . . H8510

Grade level 11-12. One semester
Prerequisite: Accounting 2
Academic credit: .5 Elective

This course is designed for students with an interest in an accounting or business career who want to broaden and improve their knowledge and application of computerized and manual accounting.

Accounting 4 . . . . . H8511

Grade level 11-12. One semester
Prerequisite: Accounting 3
Academic credit: .5 Elective

This is an individualized program designed for the student with interest in accounting or business as a career goal. The emphasis is on departmental accounting.

Health Science

This Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development in the growing Healthcare Industry.

Medical Terminology H8915

Grade level 10-12. One semester.
Prerequisite: Biology, PLTW Principles of Biomed Science or Health Occupations
Academic credit: .5 Life Science

UAA University of Alaska Anchorage

Students will gain an understanding of basic elements, rules of building and analyzing medical words, and medical terms associated with the body as a whole. Utilizing a systems approach, the student will define, interpret, and pronounce medical terms related to structures and functions, pathology diagnosis, clinic procedures, oncology, and pharmacology. In addition to medical terms, common abbreviations applicable to each system will be interpreted.

Essent of Athletic Injury Management SCI H6751

Grade level 12 (11 with instructor approval). One semester
Prerequisite: Biology & PLTW Human Body Systems or Anatomy and Physiology
Academic credit: .5 Life Science

This course introduces students to the profession of athletic training and related health careers. Principles of fitness conditioning and nutrition for safe and healthy participation in sports will provide a basis for examining proper body mechanics and the faulty mechanics and practices that lead to injury. A study of common athletic injuries and application of appropriate first aid and CPR procedures are central to a broader prevention, treatment and risk management framework applicable to a variety of activity settings. All students will be able to perform basic taping and wrapping of injuries, joints, and other body parts.

Pharmacy Tech 1 . . . . . H8958

Grade level 11-12. One semester
Prerequisite: Algebra 1
Academic credit: .5 Life Science

UAA UNIVERSITY of ALASKA ANCHORAGE

Pharmacy Technician introduces students to how drugs are organized by classifications that include their purpose, side effects, cautions, and interactions. Instruction will include lectures, labs, guest speakers, and field trips. This class is recommended to students interested in health careers such as nursing and medicine. Students completing Pharm Tech 1 and Pharm Tech 2 may be eligible for apprenticeship opportunities or direct employment in a local pharmacy.

Pharmacy Tech 2 . . . . . H8959

Grade Level: 11-12
Prerequisite: Pharm Tech 1
Academic Credit: .5 Elective

This course will introduce students to the field of Pharmacy and prepare them to become an Entry Level Pharmacy Technician. Through hands-on labs, interactive simulations and classroom learning, students will be equipped with the foundational skills and knowledge to be successful. This course emphasizes professional skills necessary to be a quality team member in a pharmacy, including communication, collaboration, ethics, and leadership.

BioTaPP 1 . . . . . H8940

Grade level 11-12. One semester
Prerequisite: Algebra 1, Biology, and Chemistry or concurrent enrollment in Chemistry
Academic credit: .5 Life Science

BioTaPP (Biotechnology Training and Preparatory Program) is designed to give students experience in fundamental and advanced biotechnological techniques used in biological research and industry. Students will learn proper research techniques, processes and applications using modern technology. Students practice lab safety while studying biological and chemical sciences.

BioTaPP 2 . . . . . H8941

Grade level 11-12. One semester
Prerequisite: BioTaPP 1
Academic credit: .5 Life Science

BioTaPP 2 advances students' laboratory and research skills learned in the first semester. Students follow SOPs to conduct advanced research and perform scientific experiments. Students are expected to document and present findings.

PLTW Principles of Biomed Science. H8919

Grade level 9-11. Two semesters
Prerequisite: None
Academic credit: .5 Life Science 1st semester, .5 Physical Science 2nd semester

The Principles of Biomedical Science (PBS) course provides an introduction to biomedical science through exciting hands-on projects and problems. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They will determine the factors that led to the death of a fictional woman as they sequentially piece together evidence found in her medical history and her autopsy report. Students will investigate lifestyle choices and medical treatments that might have prolonged the woman's life and demonstrate how the development of disease is related to changes in human body systems.

PLTW Human Body Systems. H8126

Grade level 9-12. Two semesters
Prerequisite: Principles of Biomedical Science.
Academic credit: .5 Life Science per semester

In the Human Body Systems (HBS) course, students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases, and often play the role of biomedical professionals to solve medical mysteries.

PLTW Medical Interventions H8110

Grade level 11-12. Two semesters
Prerequisite: Human Body Systems.
Academic credit: .5 Life Science per semester

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "How-To" manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario will introduce multiple types of interventions and will reinforce concepts learned in the previous two courses as well as present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. Lifestyle choices and preventative measures are emphasized throughout the course as well as the important role of scientific thinking and engineering design play in the development of interventions of the future.

PLTW Biomedical Innovation H8820

Grade level 11-12. Two semesters
Prerequisite: Medical Interventions
Academic credit: .5 Physical Science 1st semester, .5 Life Science 2nd semester

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health.

Hospitality and Tourism

This career cluster emphasizes the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Culinary Hospitality Foundations H8514

Grade level 9-12. One semester
Prerequisite: None

Culinary and Hospitality Foundations is a foundational course where students explore the opportunities in the culinary and hospitality industries. Students will develop hospitality, service and career ready practices while mastering safety and sanitation requirements of the service industry. As the preparatory class for ProStart, students will develop the fundamental kitchen safety skills and learn the foundation of cooking and nutrition.

ProStart 1 . . . . . H8360

Grade level 10-12. One semester
Prerequisite: None
Academic credit: .5 Elective

UAA UNIVERSITY of ALASKA ANCHORAGE

This course introduces students to careers in food service and teaches them the basic skills and knowledge needed for success in the food service industry. The ProStart curriculum was developed by the National Restaurant Association as part of the school-to-career approach to learning. Current best practices are reviewed every year. Topics covered in this semester include an overview of the lodging, restaurant and food service industry; career opportunities; food safety; prevention of accidents and injury; professionalism; standardized recipes; cooking methods; food service equipment; nutrition and stocks, sauces, and soups.

ProStart 2 . . . . . H8361

Grade level 10-12. One semester
Prerequisite: None
Academic credit: .5 Elective

ProStart 2 continues to reinforce core safety and sanitation principles while exploring a variety of cooking methods and exploring Front of House Management and customer service. Students will use hands-on kitchen labs to to learn about the use of fruits, vegetables, legumes and grains in the culinary menu.

ProStart 3 . . . . . H8362

Grade level 10-12. One semester
Prerequisite: None
Academic credit: .5 Elective

ProStart 3 continues to develop student professionalism and expands to Back-of-House Management. Students will learn about food-borne illness outbreaks and managing sanitation issues in the kitchen. Through hands-on labs in the kitchen students learn how to prepare salads and sandwiches as part of a culinary menu.

ProStart 4 . . . . . H8363

Grade level 10-12. One semester
Prerequisite: None
Academic credit: .5 Elective

ProStart 4 introduces students to high end baking and culinary cuisines from around the world while continuing to focus on safety and sanitation. Students will learn to work as a team while they learn about costing, labor and purchasing.

ProStart Professional. H8364

Grade Level: 9-12
Prerequisite: Culinary Hospitality Foundations and one ProStart course
Academic Credit: .5 Elective

ProStart Professional is a hands-on work based learning course designed to provide students with advanced learning and experience in the culinary/hospitality pathway. This course will develop transferable skills necessary to succeed in the ever-changing workplace through teamwork, problem-solving, communication, self-management, and career readiness. ProStart students will work with industry mentors in a structured learning and working environment. Under the guidance of their instructor students will be expected to apply the skills and knowledge from previous ProStart courses. Students will gain meaningful industry specific, networking, and competitive experience. Students will regularly reflect on the application of their learning and create a comprehensive portfolio and presentation of their learning experiences. Class takes place after school/seventh hour. Repeatable

Information Technology

This career cluster builds linkages in IT occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services

IT Foundations H8150

Grade level: 9-12 One semester
Prerequisite: None
Academic Credit: .5 Elective

Information Technology Foundations is the underpinning course of all Information Technology pathways. Students will be introduced to foundational aspects of computing and technology, exploring how we interact in a connected environment. Emphasizing career preparation and readiness, this course exposes students to the variety of opportunities in the IT industry. Students will learn about computer hardware, software applications, networks, support and service and programming.

PLTW Computer Sci Essentials. H8934

Grade Level: 9-12 Two Semesters
Prerequisite: none
Academic Credit: 1.0 Elective

Computer Science Essentials introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text-based programming side-by-side. Finally, students will learn the power of text-based programming as they are introduced to the Python® programming language. The course engages students in computational thinking practices and collaboration strategies, as well as industry standard tools authentic to how computer science professionals work. Students will learn about

professional opportunities in computer science and how computing can be an integral part of all careers today.

PLTW Cybersecurity H8936
Grade Level: 10-12 Two Semesters
Prerequisite: none
Academic Credit: 1.0 Elective

PLTW Cybersecurity gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially, "outside-the-box" thinking. Students explore the many educational and career paths available to cybersecurity experts, as well as other careers that comprise the field of information security.

AP Computer Science Principals H1202
Grade level: 9-12 Two semesters
Prerequisite: None
Academic Credit: .5 Science elective per semester

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. This course will focus on creativity and encourage students to apply creative processes when developing computational artifacts. Students will use technology and programming as a means to solve computational problems, creating exciting and personally relevant artifacts.

AP Computer Science A. H1203
Grade Level: 9-12 Two Semesters
Prerequisite: None
Academic Credit: 1.0 Elective

Computer Science A (CSA) is designed to be a full-year (160-day) course implemented in the 12th grade. AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. CSA is designed with alignment to the College Board Computer Science A framework. Fundamental topics in this course include the design and development of solutions that use control-structures, data structures, and object-oriented programming using the Java programming language, the analysis of potential solutions, and the ethical and social implications of computing systems.

Computer Animation & Modeling H8536
Grade Level: 9-12
Prerequisite: None
Academic Credit: .5 Elective

3D Modeling and Animation leads to various careers in several high-technology industries such as film making, computer/video games, architecture, graphic and product design. This course will introduce students to 3D modeling and Animation software such as but not limited to Autodesk Maya, Unity, Photoshop, and Blender. This course focuses on creative workflow, project management, scripting languages, 3D content creation, and animation.

Game Design and Development H8535
Grade Level: 9-12
Prerequisite: None
Academic Credit: .5 Elective

Students will learn about both game design and game development as they work to become proficient with using Unity to build both 2D and 3D games during the semester long course. The course will include an introduction to coding using C# (C-sharp). We will explore a variety of game genres during the course. The semester culminates with students creating a game of their own design.

AP Computer Science H1201OLS1/H1201OLS2
Grade level: 11-12. One semester each.
Prerequisite: Algebra II

This online AP Computer Science is a yearlong introductory college level course which covers the basics of Java in two semesters and is geared specifically toward high school students who plan to take the AP Computer Science A exam. This class is open to 11th and 12th graders who have successfully completed Algebra II.

Manufacturing

This career cluster focuses on planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.

Metal Fabrication 1 . . . . . H8681
Grade level: 10-12 One semester
Prerequisite: None
Academic Credit: .5 Elective

In the Metal Fabrication Foundation course, students will explore careers and history of the metal fabrication industry as well as learn foundational skills to fabricate metal objects.

Metal Fabrication 2 . . . . . H8682
Grade level 9-12, One semester
Prerequisite: Completion of Metal Fabrication 1
Academic credit: .5 Elective

In the second Metal Fabrication course, students will explore the day-to-day life of a metal fabrication worker and learn more advanced metal fabrication tools and techniques to build upon the foundational course, including layout processes and introduction to welding. This course focuses on industry math through ongoing, relevant math instruction while still maintaining a hands-on, project-based approach.

Metal Fabrication 3 . . . . . H8683
Grade Level: 9-12 One Semester
Prerequisite: Completion of Metal Fabrication 2
Academic Credit: .5 Elective

In the Metal Fabrication 3 course, students will prepare to enter a career in metal fabrication by learning more advanced metal fabrication tools and techniques, including layout processes, and defining a specific path and considerations towards entering the field. This course focuses on industry math through ongoing, relevant math instruction while still maintaining a hands-on, project-based approach.

CTE Internship

CTE Internship H8145

Grade Level: 11-12 One Semester
Prerequisite: None
Academic Credit: .5 Elective

CTE Internship is work-based learning course designed to provide students with advanced learning and experience in a chosen CTE pathway. This course will develop transferable skills necessary to succeed in the ever changing workplace through teamwork, problem-solving, communication, self-management, and career readiness. Intern students will be placed with a partnering business in a structured learning and working environment. Under the guidance of their instructor, interns will be expected to apply the skills and knowledge from previous CTE courses and gain meaningful industry specific experience. Students will regularly reflect on the application of their learning and create an advanced portfolio or presentation of their learning.

Transportation, Distribution and Logistics

Unmanned Aviation Science H8391

Grade Level: 9 – 12
Prerequisite: none
Academic Credit: 1.0 Science Credit

Develop knowledge and understanding of FAA regulations, airspace, map orienteering, physics of flight, flight safety and basics, basic flight maneuvers both GPS assisted and non-GPS assisted, advanced UAS flight maneuvers, basic UAS construction, wiring, and programming. Earn certification in DJI Phantom series and Inspire series and complete preparation for commercial licensing through the FAA Part 107 UAS commercial licensing regulations.

King Tech High

2022-23 Academic Dual Credits & Certifications

Students can earn 1.5 credits for each KTHS course.

Course	Course #	Dual credit, certifications & apprenticeships
Advertising, Art & Design 1	H8422	Adobe Photoshop CC Certification
Advertising, Art & Design 2	H8423	
Alaska Farm & Food 1	H8975	
Alaska Farm & Food 2	H8976	
Automotive Maintenance Technology 1	H8409	UAA - ADT A102 Introduction to Automotive Technology UAA - ADT A150 Brake Systems UAA - ADT A162 Suspension and Alignment
Automotive Maintenance Technology 2	H8410	
Automotive Maintenance Technology 3	H8411	
Aircraft Materials Processes	H8401	UAA - AMT 176 Aircraft Materials and Processes 1 UAA - AMT 286 Aircraft Materials and Processes 2
Aircraft Bonded Structures	H8402	UAA - AMT 185 + 185L Aircraft Sheetmetal Structures & Lab
Aircraft Sheetmetal Structures	H8403	UAA - AMT 285 + 285 L Aircraft Bonded Structures
Aircraft Engine Theory	H8404	UAA - AMT 177 Aircraft Reciprocating Engine Theory
Aviation Technology 1	H8406	Private Pilot's Ground School, Private Pilot's Knowledge Exam
Aviation Technology 2	H8407	UAA - ATP 100 Private Pilot Ground School
		UAA - ATA 102 Intro to Aviation Technology
Career & Work Readiness	H0012SSP	
	H3020SP	
	H9805SP	
Carpentry 1	H8418	Apprenticeship program; NCCER Core, OSHA 10, Forklift Certification, Scaffolding & Fall Protection, North Slope Training Card, SkillsUSA
Carpentry 2	H8419	NCCER Carpentry Level 1
Collision Repair & Refinishing 1	H8413	
Collision Repair & Refinishing 2	H8414	
Construction Electricity 1	H8430	IBEW Pre-Apprenticeship program; NCCER Core, NCCER Electrical Level 1, Weatherization Technician, Your Role in the Green Environment, OSHA 10, SkillsUSA Residential Electrician, Lockout/Tagout
Construction Electricity 2	H8431	
Cosmetology 1	H8810	Hours towards state licensing
Cosmetology 2	H8811	Alaska Manicurist License
Cosmetology 3	H8812	

King Tech High

2022-23 Academic Dual Credits & Certifications

Students can earn 1.5 credits for each KTHS course.

Course	Course #	Dual credit, certifications & apprenticeships
Culinary Arts 1	H8311	Municipality of Anchorage Food Handler's Card UAA - CA A104 Sanitation UAF - CAH F101 Intro to the Culinary Field
Culinary Arts 2	H8312	UAF - CAH F140 Culinary I Principles & Techniques
Culinary Arts 3	H8313	UAF - CAH F150 Food Service Sanitation
Early Childhood Education 1	H8303	Pediatric First Aid/CPR, Municipality of Anchorage Food Handler's Card
Early Childhood Education 2	H8304	
Fundamentals of Electronics	H8245	Electronic Technicians Association:D.C. Electronics, Student Electronics Technician, Digital Electronics Technician, Computer Service Technician, AC Electronics Technician UAA - CNT A165 Customer Service Fundamentals UAA - CNT A162 PC Building, upgrading, Configuring and Troubleshooting
Digital Electronics	H8246	
Telecommunications	H8247	
Emergency Medical Technology B	H8950	Basic Life Support for the Health Care Professional, Emergency Medical Technician I UAA - EMT 130 Emergency Medical Technician I UAF EMS F170 EMT: Emergency Medical Technician I
Entrepreneurship	H8095	Certification: MOA Food Handlers
Enterprise	H8096	
Film, Audio, & Video Production 1	H8855	Adobe Premiere Pro Editing
Film, Audio, & Video Production 2	H8856	
Veterinary Assisting	H8924	Certification: PetPro First Aid/CPR
Advanced Veterinary Assisting	H8923	Fear Free Animal Restraint Clinical Practice Veterinary Assisting Animal Anatomy & Physiology
Welding 1	H8466	AWS Horizontal Filet Weld (2F), Vertical Filet Weld (3F)
Welding 2	H8467	UAA - WELD A101 Gas & Arc Welding
Welding 3	H8468	UAA - WELD A112 Shielded Metal Arc
		UAA - WELD A161 Gas Metal Arc Welding

KING TECH PROGRAMS

The following programs are offered at King Tech High (KTHS). Juniors and Seniors are eligible to attend the KTHS. Underclassman are eligible to apply. More information about KTHS can be found at: **www.asdk12.org/KingTech**

Agriculture and Food and Natural Resources

Career Cluster focused on the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.

Alaska Farm and Food 1 KTHS H8975

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Life Science, 1.0 Elective

King Tech High's Horticulture Course, "Alaska Food and Farm Industries", is an introductory course where students explore and learn about the food systems of Alaska and the world, such as subsistence fishing, hunting and food preservation, permaculture and landscape design, and hydroponics. They learn basic botany and horticulture methods, plant care, set up and manage greenhouse and hydroponics systems, and work with community partners to develop and support sustainable food systems in Anchorage. In this Level 1 course, students see and learn the various methods used in the industry, and begin to apply their learning to managing and maintaining basic systems for sustainable food production in their community.

Alaska Farm and Food 2 KTHS H8976

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Life Science, 1.0 Elective

Alaska Farm and Food 2 explores the food systems of Alaska and the world, such as subsistence fishing, hunting and food preservation, permaculture and landscape design, and hydroponics. Students deepen their research in botany and horticulture methods, plant care, set up and manage greenhouse and hydroponics systems, and work with community partners to develop and support sustainable food systems in Anchorage. Students can expect to engage in real world applications of farming and food systems, hands-on projects and simulated work-based learning.

Architecture and Construction

Career cluster focused on designing, planning, managing, building and maintaining the built environment.

Carpentry 1 KTHS H8418

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Math, 1.0 Elective

Students will receive primary training in residential and light commercial construction methods. Thecourse is taught using the recognized Occupational Skill Standards for the National Center for Construction Education and Research (NCCER). The first section covers Core Construction Curriculum with the second section covering Carpentry Level One Curriculum. Training is accomplished with the latest in power tools, materials and technology available in the construction industry. Students will complete written tests and performance evaluations on certain aspects of the trade. Passing these evaluations may earn certification and national registry with NCCER. Second and third semester students need to show self-motivation and will be expected to work independently on advanced carpentry projects, while also keeping a journal with daily work records. Second semester students will aid in tool and machine demonstrations. Purchase of safety glasses is required.

Carpentry 2 KTHS H8419

Grade level 11-12. One semester
Prerequisite: Carpentry 1
Academic credit: 1.5 Elective

Students will receive primary training in residential and light commercial construction methods. The course is taught using the recognized Occupational Skill Standards for the national Center for Construction Education and Research (NCCER). This semester covers Carpentry Level One Curriculum. Training is accomplished with the latest in power tools, materials and technology available in the construction industry. Students will complete written tests and performance evaluations on certain aspects of the trade. Passing these evaluations may earn certification and national registry with NCCER.

Construction Electricity 1 KTHS H8430

Grade level 11-12. One semester
Prerequisite: Completion of Algebra I
Academic credit: .5 Math and 1.0 Elective

In Construction Electricity 1, students will explore careers in the electrical industry as well learn foundational skills to fabricate basic electrical circuits. This hands-on course introduces the tools, materials, drawings, theory, codes, and fabrication skills for residential electrical construction. Students will use electrical tools, materials, and drawings to build and test basic electrical circuits based on provided specifications. They will also learn basic conduit bending and installation skills for commercial and industrial applications.

Construction Electricity 2 KTHS H8431

Grade level 11-12. One semester
Prerequisite: Grade "C" or better in Construction Electricity 1
Academic credit: .5 Math and 1.0 Elective

Apprenticeship Program

The Construction Electricity program provides in-depth instruction in the theories and principles of electricity. Principles of operation for electrical devices and equipment, and correct and safe operation of tools are covered. The student will learn to interpret and apply the requirements of the National Electrical Code for designing electrical layouts, installation methods, and the maintenance, troubleshooting, and repair of electrical circuits and equipment.

Arts, A/V Technology & Communications

This career cluster focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Advertising, Art, & Design 1 KTHS H8422

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Language Arts and 1.0 Elective

This course is designed for the student interested in acquiring entry-level skills in the rapidly growing Visual Communications industries. Students are introduced to various elements of market research, advertising strategies, typography and logotype, brainstorming and concept development, color and design theory, illustration techniques, magazine and packaging design, layout and construction, target marketing, symbols, logos, print collateral and 3D product design. Students are also assigned computer based advertising projects to complete within the working parameters of timed deadlines and specific standards of quality. Students receive an introduction of practices common to an advertising design studio. Students develop beginning layout and computer graphic skills using Adobe In-Design, Photoshop and Illustrator programs. All students will complete their assigned projects demonstrating a mastery of basic career entry skills. Each project will prepare them for furthering a career in advertising as well as other areas of graphic design.

Advertising, Art, & Design 2 KTHS H8423

Grade level 11-12. One semester.
Prerequisite: Advertising, Art, & Design 1
Academic credit: .5 Language Arts and 1.0 Elective

This course is designed for the student interested in acquiring entry-level skills in the rapidly growing Visual Communications industries. In this course students are introduced to various elements of market research, advertising strategies, typography and logotype, brainstorming and concept development, color and design theory, illustration techniques, magazine and packaging design, layout and construction, target marketing, symbols, logos, print collateral and 3D product design. Students are also assigned computer based advertising projects to complete within the working parameters of timed deadlines and specific standards of quality. Students receive an introduction of practices common to an advertising design studio. Students develop beginning layout and computer graphic skills using Adobe InDesign, Photoshop and Illustrator programs. Advanced students will also complete a portfolio of assigned projects which demonstrate a mastery of career ready, entry level skills in one of the following areas: airbrush/illustration; advertising, marketing, computer graphics and desktop publishing, architectural design and/or industrial design using 2D and 3D software. Professionalism is emphasized every day. Career entry opportunities include positions in interior design, advertising, product design, fine art, fashion design, transportation design, furniture design, cartoon illustration, landscape design, computer animation, airbrush, architecture, package design, illustration, desktop publishing and art direction. Assistance with job placement in the above fields and application to colleges and other training programs are available.

Film Audio & Video Production 1 KTHS H8855

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Language Arts, 1.0 Elective

The Film, Audio & Video Production class is a survey class presenting skills and knowledge students need to launch a successful career in film, radio, music recording, and video or television production. Students complete radio, film, recording and video projects while learning to work as part of a production team. The curriculum includes individual and multidisciplinary assignments geared to developing both creative and technical proficiency. Large studios and modern production equipment support these goals, enabling students to produce high-quality work. A comprehensive and balanced approach to study includes opportunities to produce, write, direct, shoot and edit on numerous projects. Rigor and relevance are a major part of this media class.

Film Audio & Video Production 2 KTHS H8856

Grade level 11-12. One semester
Prerequisite: Film, Audio & Video Production 1
Academic credit: .5 Language Arts, 1.0 Elective

This course refines the Radio, TV, Movie and Music production skills to prepare the student for post-secondary education or entry-level employment in the media technology industry. Students will be responsible for the production of several programs such as the King Tech TV Show and a variety of individual projects. 2nd semester students will work on producing their personal Demo Reel, which they will be able to utilize for acceptance to various colleges, trade schools, and internships. Additionally, students will have the opportunity to test for their Television Operator's License and become Adobe Premiere Pro certified as a video editor.

Business Management & Administration

This career cluster focuses on careers in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

Entrepreneurship KTHS. H8095

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Economics and .5 Language Arts and .5 Elective

This course is designed to prepare students in the fundamental knowledge and skills needed to succeed in business. At the end of this course, students will demonstrate knowledge of general business and business planning, economics and finance, accounting basics, communications, marketing, and corporate responsibility. Students will provide real world solutions modeled in today's business environments using project and problem-based learning.

Enterprise KTHS. H8096

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Economics and .5 Language Arts and .5 Elective

Students will learn and experience business operations through a hands-on and problem-based curriculum. The focus in the second semester course will be on managing an established small business, King Café. They will learn more advanced skills in marketing, operations, inventory control and customer service.

Career Readiness

This cluster focuses on career transitions and preparation for being work ready.

Career & Work Readiness KTHS H0012SSP/H3020SP/H9805SP

Grade level 10-12. One semester
Prerequisite: Must have an IEP
Academic credit: .5 Language Arts, .5 Social Studies, .5 Elective

The Work Readiness Program is for students with Individual Education Plans (IEP) who are ready to begin the process of transition from school to work. Being "work ready" requires preparation, practice, exploration and work experience in order to be successful in reaching their employment and vocational goals. Students have an opportunity for a Formal Vocational Assessment to help determine their interests and aptitudes. Students will complete a portfolio with resume, writing samples, and other documents necessary for job search, training, scholarships and future transitional planning.

Students will interview for appropriate placement. This class is designed to develop an Individual Employment Plan, prepare to become competitively employed, or seek and apply for training through college, vocational training, apprenticeship or on-the-job training.

Education and Training

This career cluster focuses on planning, managing and providing education and training services, and related learning support services from infant through adult education.

Early Childhood Education 1 KTHS H8303

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Social Studies Elective, 1.0 Elective

This course is designed to present an introductory study of Early Childhood Education (ECE). ECE examines the theories of child development as students focus on the typical growth and development of children 0-5 years of age and family life. Students study the quality elements of a good learning environment for young children, which focuses on purposeful play and "hands-on" projects. Students are also introduced to the many career opportunities related to the field of Early Childhood Education.

Early Childhood Education 2 KTHS H8304

Grade level 11-12. One semester
Prerequisite: Early Childhood Education 1
Academic credit: 1.5 Elective

The course is designed to present an advanced study of Early Childhood Education (ECE). ECE II continues to examine the theories of child development as students focus on the typical growth and development of children 0-5 years of age and family life. Students study creativity and the arts, create a curriculum notebook, write lesson plans, create a positive proactive learning environment, continue their professional preparation, and focus on creativity in lesson planning in many domains of Early Childhood Education. Students continue their study of the quality elements of a good learning environment for young children, which focuses on purposeful play and "hands-on" projects. Students continue to focus and concentrate on the many career opportunities related to the field of Early Childhood Education

Engineering Technology

This career cluster focuses on planning, managing and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.

Fundamentals of Electronics KTHS H8245

Grade level 11-12. One semester
Prerequisite: Algebra 1 with a grade of "C" or higher
Academic credit: .5 Physical Science, .5 Math, .5 Elective

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As our careers and daily lives become more and more technical, we rely on our electronic devices more than ever. This course is open to the beginning and advanced students, and explores the science and technologies that make our modern electronic devices work. Students will be expected to follow circuit diagrams to construct, test, and troubleshoot electronic circuits. In addition, students will master the essential skills of soldering and using a digital multimeter.

Digital Electronics KTHS H8246

Grade level 11-12. One semester
Academic credit: .5 Physical Science, .5 Math, .5 Elective

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APPRENTICESHIP PROGRAM

From smartphones to appliances, digital circuits are all around us. This Digital Electronics (DE) course provides a foundation for students who are interested in electrical engineering, electronics, circuit design, telecommunications, or biomedical fields. Students study topics such as combinational and sequential logic and are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. This King Tech program emphasizes career exploration and readiness, equipping students with knowledge of career options and preparing them for the workforce. In addition, they have the opportunity to earn industry-recognized certifications from the Electronics Technicians Association.

Telecommunications KTHS H8247

Grade level 11-12. One semester
Academic credit: .5 Math, .5 Physical Science, .5 Elective

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Humans are social animals; we love to communicate with each other. This course is open to the beginning and advanced students, and explores the science and technologies used in modern telecommunication systems. It covers copper and fiber optic cabling, as well as networking and wireless equipment. Students will be expected to build, test, and troubleshoot a communications network, according to industry standards and customer specifications.

Health Science

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

CLGE Certified Nurse Assistant HU639

Grade Level 11-12. One Semester
Prerequisite: None
Academic credit: .5 PE/Health, 1.0 Elective

The Certified Nurse Assistant (CAN) course is taught by the University of Alaska Anchorage faculty at the King Tech High School campus. The CNA course is the first step in becoming a certified nurse aide. You'll receive over 60 hours of classroom instruction and over 80 hours of supervised skills and clinical training at local health care facilities. The course includes CPR training, medical terminology, basic anatomy, first aid, and skills labs.

Emergency Medical Tech A KTHS H8129

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science, 1.0 Elective

Emergency Medical Technology is a two-semester, intense training course designed to prepare students for the State Health Department EMT-1 certification. Students will learn the skills needed to provide care to patients in medical crisis. The course emphasizes prevention, assessment and care of injury and illness commonly encountered in both urban and rural settings. Students engage in hands-on patient assessment and treatment techniques, assist at health fairs and first aid training for other schools and community groups. Students interested in careers in emergency medicine, paramedics, flight medics, or other emergency response will gain valuable, practical skills needed to be successful.

Emergency Medical Tech B KTHS. H8950

Grade level 11-12. One semester
Prerequisite: None.
Academic credit: .5 Life Science, 1.0 Elective

Emergency Medical Technology is a two-semester, intense training course designed to prepare students for the State Health Department EMT-1 certification. Students will learn the skills needed to provide care to patients in medical crisis. The course emphasizes prevention, assessment and care of injury and illness commonly encountered in both urban and rural settings. Students engage in hands-on patient assessment and treatment techniques, assist at health fairs and first aid training for other schools and community groups. Students interested in careers in emergency medicine, paramedics, flight medics, or other emergency response will gain valuable, practical skills needed to be successful.

Veterinary Assisting KTHS. H8924

Grade level 11-12. One semester.
Prerequisite: Grade of "C" or better in Biology.
Academic credit: .5 Life Science, .5 Math Elective, .5 Elective

Veterinary Assisting is the introduction to a career in veterinary medicine. Students will learn about the diverse career opportunities in veterinary medicine while gaining the knowledge, skills and hands-on training needed to become a certified veterinary assistant. Students will learn the skills needed to provide compassionate medical care to all animals and promote their well being under the supervision of veterinarians and veterinary technicians. Students will study animal anatomy and physiology, animal behaviors, animal care, laboratory procedures, husbandry and nutrition, emergency and critical care and office and client communications.

Advanced Veterinary Assisting KTHS H8923

Grade level 11-12. One semester
Prerequisite: Grade of "B" or better in Veterinary Assisting
Academic credit: .5 Life Science, 1.0 Elective

Advanced Veterinary Assisting advances students in preparation for the Certified Veterinary Assistant exam and to prepare for a career in veterinary medicine. Students will learn about the diverse career opportunities in veterinary medicine while gaining the knowledge, skills and hands-on training needed to become a certified veterinary assistant. Students will learn the skills needed to provide compassionate medical care to all animals and promote their well being under the supervision of veterinarians and veterinary technicians. Students will study animal anatomy and physiology, animal behaviors, animal care, laboratory procedures, husbandry and nutrition, emergency and critical care and office and client communications.

Hospitality and Tourism

This career cluster emphasizes the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events and travel related services.

Culinary Arts 1 KTHS H8311

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science, 1.0 Elective

Culinary Arts students spend one year in the classroom mastering the fundamental management and culinary skills needed for success. Culinary 1 includes fundamental skills in kitchen safety, sanitation and knife cuts. Through hands-on kitchen labs, students learn how to prepare soups, stocks and sauces and explore career pathways in the Hospitality Industry. Students will complete an industry-recognized Food Handlers Workplace Safety Ceritification as part of the core safety training. While exploring a variety of cooking methods and students master Front of House Management and customer service. Upon completion of Culinary 1, students will be prepared to take the ProStart Level 1 Certification, a nationally recognized hospitality certification

Culinary Arts 2 KTHS H8312

Grade level 11-12. One semester.
Prerequisite: Culinary Arts 1 or ProStart 1 and ProStart 2.
Academic credit: .5 Physical Science, 1.0 Elective

Culinary Arts 2 continues to develop student professionalism and expands to Back-of-House Management. Students will learn about food-borne illness outbreaks and managing sanitation issues in the kitchen. Through hands-on labs in the kitchen students learn how to prepare salads and sandwiches as part of a culinary menu. Students are introduced to high end baking

and culinary cuisines from around the world while continuing to focus on safety and sanitation. Students will learn to work as a team while they learn about costing, labor and purchasing.

Travel and Tourism

This pathway will focus on development, research, and packaging promotion of the traveler's experience. There is a broad range of jobs in the pathway from planning trips and evening to managing customer's travel plans or overseeing an urban convention center.

AK Railroad Tour Guide Program (KTHS). H8656

Grade level 9-12. One semester after-school program at KTHS
Prerequisite: None
Academic credit: .5 Alaska Studies

Students are selected through a screening process which includes application, recommendation by counselor, and interview. Students receive specialized training in customer service, public speaking, Alaska geography, history and tourism destinations. This training provides students with excellent job opportunities in the tourism industry with specific focus as a tour guide for the Alaska Railroad

Human Services

This career cluster focuses on preparing individuals for employment in career pathways that relate to families and human needs such as counseling and mental health services, family and community services, personal care, and consumer services.

Cosmetology 1 KTHS H8810

Grade level 11-12. One semester
Prerequisite: None.
Academic credit: .5 PE/Health, 1.0 Elective

Cosmetology I is a job-oriented course of instruction in the field of Hairdressing. Students receive a State of Alaska Hairdressers Student Permit. Through class instruction and hands-on labs students learn about the anatomy of face and hands, the basics of chemisty in cosmetology, the fundamentals of trichology, shampooing, hair design, haircutting and styling and basic manicuring. Students will have their hours and operations documented. The hours and operations earned are accumulated toward the 1,650 hours and operations required for State of Alaska licensing in the field of Hairdressing.

Cosmetology 2 KTHS H8811

Grade level 11-12. One semester
Prerequisite: Completion of Cosmetology 1
Academic credit: .5 Science Elective, 1.0 Elective

Cosmetology II is a job-oriented course of instruction in the field of Hairdressing. Students will continue to deepen their understanding of chemical applications in the industry, haircoloring and advanced hair designs and cuts. Students will complete advanced manicures with UV Gels and advanced skin care with waxing and makeup. The hours and operations earned are accumulated toward the 1,650 hours and operations required for State of Alaska licensing.

Cosmetology 3 KTHS H8812

Grade level 11-12. One semester
Prerequisite: Completion of Cosmetology 2
Academic credit: 1.5 Elective

Cosmetology 3 is an advanced, job-oriented course of instruction in the field of Hairdressing. Students continue to advance their technical skills in hair & scalp services, skin care and hair coloring. while accumulating hours toward the State of Alaska licensing requirements.

Human Services H6020

Grade Level 11-12
Academic credit: .5 PE/Health, 1.0 Elective

This course introduces students to direct patient care and mental health support careers. Students can expect to gain valuable skills related to direct patient care, customer service, and emergency response.

Information Technology

This career cluster builds linkages in IT occupations for entry level, technical and professional careers related to the design, development, support and management of hardware, software, multimedia and systems integration services

IT Service and Support KTHS H8541

Grade level 11-12, One semester
Prerequisite: None
Academic credit: .5 Math Elective, .5 Physical Science, .5 Elective

Delve into the world of IT by building a computer from scratch, exploring the roots of the industry and what it takes to be a successful IT professional today. With a continual focus on safety, cybersecurity, and ethical work practices, students will learn the foundation for ensuring an organization's technological equipment is running smoothly, including the maintenance and troubleshooting of hardware, operating systems, software, and peripherals. High level customer service, communication, and real-world problem solving skills will be challenged in an immersive work-based environment with increasingly technical and collaborative projects that challenge students to think critically and design solutions to meet customer needs.

IT Service and Support 2 KTHS H8542

Grade level 11-12, One semester
Prerequisite: IT Service and Support
Academic credit: .5 Math, .5 Physical Science, .5 Elecive

From building a computer from scratch to ethically hacking into a network to reveal cybersecurity vulnerabilities, the Information Technology pathway will demystify this rapidly evolving industry. With a continual focus on safety, cybersecurity, and ethical work practices, students will learn the foundation for ensuring an organization's technological equipment is running smoothly, including the maintenance and troubleshooting of hardware, operating systems, software, peripherals, networks and servers. High level customer service, communication, and real-world problem solving skills will be challenged in an immersive work-based environment with increasingly technical and collaborative projects that challenge students to think critically and design solutions to meet customer needs.

IT Service and Support 3 KTHS H8543

Grade Level: 11-12
Prerequisite: IT Service and Support 1 and 2

Academic Credit: 1.5 Elective

In this course you will learn the fundamentals of being safe online, types of malware and attacks, strategies to protect against attacks, and career options in cybersecurity. You will apply this knowledge through implementation in your personal life, as well as involvement on King Tech's Student-Run Help Desk.

Manufacturing

This career cluster focuses on planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.

Welding 1 KTHS H8466

Grade level 11-12. One semester
Prerequisite: None
Academic credit: 1.5 Elective

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In the Welding 1 course, students will explore the welding processes of shielded metal arc welding, as well as metal cutting techniques including oxy/fuel cutting. This hands-on course focuses on welding techniques used in the welding industry required for welding steel and aluminum. Students will learn about welding job opportunities and will practice several welding techniques while executing safe shop practices.

Welding 2 KTHS H8467

Grade level 11-12. One semester
Prerequisite: Grade "B" or better in Welding 1
Academic credit: 1.5 Elective

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In the Welding 2 course, students will explore the welding process of Gas Metal Arc Welding, as well as continuing to practice metal cutting techniques including oxy/fuel cutting. This hands-on course focuses on welding techniques used in the welding industry required for welding steel and aluminum. Students will learn about welding job and educational opportunities as well as practicing several welding techniques, all the while executing safe shop practices.

Welding 3 KTHS H8468

Grade level 11-12. One semester
Prerequisite: Grade "B" or better in Welding 2
Academic credit: 1.5 Elective

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In the Welding 3 course, students will explore the welding process of Gas Tungsten Arc Welding as well as welding ferrous and non ferrous materials. This hands-on course focuses on welding techniques used in the welding industry required for welding steel, stainless steel and aluminum. Students will learn about welding job and educational opportunities as well as practicing several welding techniques, all the while executing safe shop practices.

Transportation, Distribution & Logistics

This career cluster focuses on planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

Aircraft Materials & Processes KTHS H8401

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science, .5 Math, .5 Elective

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This semester covers basic processes of aircraft hardware usage, corrosion control, heat treatment, and hardness testing. In the lab students will build skills in performing inspection and maintenance functions on welded aircraft structures. Students will learn the core concepts of aircraft maintenance careers, terminology, safety practices, FAA requirements, and weight and balance.

This semester course is one of a four Tech-Prepped with the Aviation Maintenance Technician (AMT) program taught at the University of Alaska Anchorage Aviation Complex at Merrill Field. Successful completion of this 4 course program makes a student eligible for university credit equal to 17 college credits towards an FAA Aviation Mechanic certificate with Airframe and and/or Powerplant ratings.

Aircraft Bonded Structures KTHS H8402

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science, .5 Math, .5 Elective

UAA UNIVERSITY of ALASKA ANCHORAGE

This semester students will identify common materials used in aircraft bonded structures, their manufacture and appropriate techniques and materials for their repair to meet FAA standards, i.e. wood, fabric, plastics, acrylic, carbon fiber, aromatic polyamide fiber, composite and honeycombed structures. They will also learn the different types of repair solutions appropriate to failures and damage in different materials and locations. Students will learn the core concepts of aircraft maintenance careers, terminology, safety practices, FAA requirements, and weight and balance. This semester course is one of a four Tech-Prepped with the Aviation Maintenance Technician (AMT) program taught at the University of Alaska Anchorage Aviation Complex at Merrill Field. Successful completion of this 4 course program makes a student eligible for university credit equal to 17 college credits towards an FAA Aviation Mechanic certificate with Airframe and and/or Powerplant ratings.

Aircraft Sheetmetal Structures KTHS H8403

Grade level 11-12. One semester
Prerequisite: None
Academic credit: 1.5 Elective

UAA UNIVERSITY of ALASKA ANCHORAGE

Introduces sheetmetal, its properties and uses in fabrication of structural and nonstructural components of aerospace vehicles. Inspection techniques are addressed along with fabrication and repair processes of bending, cutting, forming, drilling, and riveting aluminum sheetmetal parts. Students will learn the core concepts of aircraft maintenance careers, terminology, safety practices, FAA requirements, and weight and balance. This semester course is one of a four Tech-Prepped with the Aviation Maintenance Technician (AMT) program taught at the University of Alaska Anchorage Aviation Complex at Merrill Field. Successful completion of this 4 course program makes a student eligible for university credit equal to 17 college credits towards an FAA Aviation Mechanic certificate with Airframe and/or Powerplant ratings.

Aircraft Engine Theory KTHS H8404

Grade level 11-12. One semester
Prerequisite: None
Academic credit: 1.5 Elective

Introduces the theory of operation and construction of the internal combustion and turbine engines. Examines the combustion processes, design rationale, cooling and lubrication of reciprocating engines. Introduces thrust development and design, and environmental factors that influence thrust along with construction details from inlet to exhaust for turbine engines. Students will learn the core concepts of aircraft maintenance careers, terminology, safety practices, FAA requirements, and weight and balance.

This semester course is one of a four Tech-Prepped with the Aviation Maintenance Technician (AMT) program taught at the University of Alaska Anchorage Aviation Complex at Merrill Field. Successful completion of this 4 course program makes a student eligible for university credit equal to 17 college credits towards an FAA Aviation Mechanic certificate with Airframe and/or Powerplant ratings.

Automotive Maintenance Tech 1 KTHS H8409

Grade Level: 11-12
Prerequisite: None
Academic Credit: 1.5 Elective

Automotive Maintenance Technology is an introduction to the highly technical, computerized industry of today's automotive engines. This program is designed to prepare students to understand the theory, diagnose and repair automotive engines, including electrical systems, brake systems, suspension & steering and fuel systems. Students will learn the basic principles of automotive operation and maintenance through hands-on labs and classroom activities, focusing on the modern computerized diagnostics tools used by industry. Student in the Automotive Maintenance program will work toward ASE Student Certification, the first step in building a career as a service professional in the automotive industry. Dual credit agreements with the University of Alaska Anchorage, rated one of the top automotive schools in the nation by The Best Schools, allow students to seamlessly transition to the advanced post-secondary programs and certifications.

Automotive Maintenance Tech 2 KTHS H8410

Grade Level: 11-12
Prerequisite: Completion of Automotive Maintenance 1
Academic Credit: 1.5 Elective

Automotive Maintenance Technology is an introduction to the highly technical, computerized industry of today's automotive engines. This program is designed to prepare students to understand the theory, diagnose and repair automotive engines, including electrical systems, brake systems, suspension & steering and fuel systems. Students will learn the basic principles of automotive operation and maintenance through hands-on labs and classroom activities, focusing on the modern computerized diagnostics tools used by industry. Student in the Automotive Maintenance program will work toward ASE Student Certification, the first step in building a career as a service professional in the automotive industry. Dual credit agreements with the University of Alaska Anchorage, rated one of the top automotive schools in the nation by The Best Schools, allow students to seamlessly transition to the advanced post-secondary programs and certifications.

Automotive Maintenance Tech 3 KTHS H8411

Grade Level: 11-12
Prerequisite: Completion of Autotmove Maintenance 2
Academic Credit: 1.5 Elective

Automotive Maintenance Technology is an introduction to the highly technical, computerized industry of today's automotive engines. This program is designed to prepare students to understand the theory, diagnose and repair automotive engines, including electrical systems, brake systems, suspension & steering and fuel systems. Students will learn the basic principles of automotive operation and maintenance through hands-on labs and classroom activities, focusing on the modern computerized diagnostics tools used by industry. Student in the Automotive Maintenance program will work toward ASE Student Certification, the first step in building a career as a service professional in the automotive industry. Dual credit agreements with the University of Alaska Anchorage, rated one of the top automotive schools in the nation by The Best Schools, allow students to seamlessly transition to the advanced post-secondary programs and certifications.

Collision Repair & Refinishing 1 KTHS. H8413

Grade level 11-12. One semester.
Prerequisite: None.
Academic credit: 1.5 Elective.

Using i-Car curriculum, students in this class will learn metal straightening, plastic filler application, body panel replacement, minor frame repair, auto body alignment and glass replacement. Shop refinish practices include surface preparation, mixing and applying paint, complete vehicle refinishing and blending. i-Car certificates can be earned. Second through fourth semesters, students will be expected to complete coursework and projects at an advanced level and to demonstrate competencies in skill areas covered in the previous semesters. Qualified advanced students may be eligible for job site internships.

Collision Repair & Refinishing 2 KTHS. H8414

Grade level 11-12. One semester.
Prerequisite: Collision Repair & Refinishing 1.
Academic credit: 1.5 Elective.

Using i-Car curriculum, students in this class will learn metal straightening, plastic filler application, body panel replacement, minor frame repair, auto body alignment and glass replacement. Shop refinish practices include surface preparation, mixing and applying paint, complete vehicle refinishing and blending. i-Car certificates can be earned. Second through fourth semesters, students will be expected to complete coursework and projects at an advanced level and to demonstrate competencies in skill areas covered in the previous semesters. Qualified advanced students may be eligible for job site internships.

Transportation Operations (Aviation Technology)

This pathway prepares students for careers in the aviation operations industry as a pilot, air traffic controller, airfield operations specialist, flight engineer or transportation manager.

Aviation Technology 1 KTHS H8406

Grade level 11-12. One semester
Prerequisite: None
Academic credit: .5 Physical Science, 1 Elective

Did you know the U.S. expects to employ two million new pilots in the next 15 years? By enrolling in Aviation Technology, you can start your journey in the exciting and rewarding career of commercial aviation while still in high school!

Here is your chance to learn all you need to know to pass your private pilot written test. This class is two semesters, includes several hands-on projects and aviation history research presentations. During the first semester, we will study aerodynamics, aircraft engines, flight instruments, and airport operations. The second semester will include aviation airspace/charts, radio navigation, weather, weight and balance, cross country planning, and aircraft performance. Come join this dynamic class and you will be well on your way to flying towards your dreams.

Aviation Technology 2 KTHS H8407

Grade level 11-12. One semester
Prerequisite: Grade of "C" or better in Aviation Technology 1
Academic credit: .5 Physical Science, 1 Elective

Did you know the U.S. expects to employ two million new pilots in the next 15 years? By enrolling in Aviation Technology, you can start your journey in the exciting and rewarding career of commercial aviation while still in high school!

Here is your chance to learn all you need to know to pass your private pilot written test. This class is two semesters, includes several hands-on projects and aviation history research presentations. During the first semester, we will study aerodynamics, aircraft engines, flight instruments, and airport operations. The second semester will include aviation airspace/charts, radio navigation, weather, weight and balance, cross country planning, and aircraft performance. Come join this dynamic class and you will be well on your way to flying towards your dreams.

ENGLISH LANGUAGE LEARNERS (ELL)

These courses are designed for high school students who meet the English Learner criteria established by state and district guidelines. The courses are designed to accelerate acquisition of the advanced, content-specific, language and literacy practices foundational to English learner access of district college and career preparatory pathways.

ELL STEM Innovation Series . . . . . H9830 ELMA
Credit: Algebra 1.0

ELL STEM Innovation Series H9831ELSC1
Credit Life Science .5

ELL STEM Innovation Series H9831ELSC2
Credit Physical Science .5

AEL STEM Innovations series offers students a platform for developing capacities for mathematical, scientific, and engineering practices delivered through project and problem-based experiences as a vehicle for developing wonder, processing real-world problems, and preparing students for college and career readiness. Students will conduct and experience inquiry-based investigations as well as analyze and interpret the language of science, technology, engineering, and mathematics.

ELL ELA – Social Studies Infused. H9832ELLA
Credit: Language Arts appropriate to grade - If 10th grader they will get English II etc.

ELL ELA – Social Studies Infused. H9833ELSS1
Credit .5 Social Studies Elective

ELL ELA – Social Studies Infused. H9833ELSS2
Credit .5 US Government

AEL ELA – Social Studies Infused offers students a platform for developing competency in Common Core Literacy practices delivered through project and problem-based experiences as a vehicle for developing wonder, processing real-world problems, and preparing students for college and career experiences. Students will critically think, process and analyze historical, cultural and current events; evaluate sources and use evidence; and communicate using written, oral and technological platforms.

FINE ARTS

ART

Students will be expected to perform at a higher level of competency and advancement with each semester enrolled in a course.

Advanced Art I H5311
Grade level 11–12. Two semesters.
Prerequisite: Art I and Art II, or instructor approval with portfolio review.
Materials fee required each semester

The intent of this course is to provide a pathway for artistically interested, motivated art students who would like to pursue rigorous art studies on a higher level of study. The first two semesters students will concentrate on a breadth of works. Students electing to advance to AP Art Studio the next year will be prepared with the breadth of art works, one of three requirements for The College Board portfolio review. After successfully completing Advanced Art I, students may elect to enroll in Advanced Art II.

Advanced Art II H5312
Grade level 11–12. Two semesters.
Prerequisite: Advanced Art I
Materials fee required each semester.

The course content concentrates on themes, big ideas, and portfolio development in preparation for student scholarship applications, college entrance requirements, employment preparation, and personal growth. Over the course of two years, Advanced Art I and Advanced Art II, students will be increasing their artistic skills and expression with a purpose in preparation for post-secondary studies, scholarships, employable skills, and/or careers in the visual arts.

Advanced Placement Art Studio H5015
Grade level 11–12. Two semesters.
Prerequisite: Portfolio with minimum of six pieces required for review by Advanced Placement selection committee established by the building Art Department staff. Portfolio review required each time the student elects to take Advanced Placement Art. Students will select one of the following categories for portfolio review: Art Studio: 2D, Art Studio; 3D, or Drawing.
Portfolio review by The College Board is required for AP credit.
Materials fee required each semester.

Students will select one of the following categories for their portfolio development: Art Studio: 2-D, Art Studio: 3-D, or Art Studio: Drawing. This program is offered for students pursuing college level work while enrolled in high school. Highly interested, motivated students accepted into the program are encouraged to develop a portfolio, which can be submitted in their senior year to The College Board and reviewed for the granting of college credit. This class is structured in such a way as to encourage freedom of expression, which allows for a variety of solutions to artistic visual problems. This course will reflect three major components that are constants in the teaching of art: a sense of quality in a student's work, a personal in-depth preoccupation or concentration with a particular mode of working and the student's need for a variety of breadth of experiences in the formal technical and expressive means of the artist. Two-semester course.

Art I H5309
Grade level 9–12. Two semesters.
Prerequisite: None. (consecutive semester enrollment recommended, but not required)
Materials fee required each semester.

This is an integrated study of the visual arts. The major areas of study are drawing, painting, printmaking, sculpture and art metals. Each quarter is presented in an order to develop design concepts, use of media, art history, self-expression and criticism.

Art II H5310
Grade level 9–12. Two semesters.
Prerequisite: Both semesters of Art I. (consecutive semester enrollment recommended, but not required)
Materials fee required each semester.

Quarterly activities built on the foundations of study of Art I.

Theming, advanced ideas and problem solving are featured in Art II.

Art Studio H5120

Grade level 9–12. One semester.
Prerequisite: None.
Materials fee required each semester.

This is a general exploratory course with a strong emphasis on the elements and principles of design. A variety of art processes and media, i.e., drawing, lettering, printmaking, painting, fiber, layout, jewelry, sculpture, and art appreciation will be introduced. May be taken 4 times.

Drawing and Design H5070

Grade level 9–12. One semester.
Prerequisite: None.
Materials fee required each semester.

Introductory course to drawing materials (pastels, crayon, paint and mixed media, pencil, pen and ink, charcoal), drawing techniques such as contour, gesture, perspective, shading and design concepts. Studio course emphasizing the principles of composition, color theory, value and tonal studies. May be taken 4 times.

Jewelry H5325

Grade level 9–12. One semester.
Prerequisite: None. Art Studio, Art I or Drawing and Design recommended.
Materials fee required each semester.

An exploration of fabricated jewelry. Projects will be based upon designing, sawing, soldering and polishing jewelry made from flat sheets of metal. The use of natural and man-made materials to enhance projects will be emphasized. The course may include simple forging, casting, enameling, etching and stone setting (equipment dependent). May be taken 4 times.

Painting H5140

Grade level 9–12. One semester.
Prerequisite: Art Studio or Drawing and Design.
Materials fee required each semester.

A study of media and techniques in painting, i.e., watercolor, tempera, acrylic, oil and mixed media will be explored in conjunction with a basic investigation of materials and history of painting. May be taken 4 times.

Photography 1 . . . . . H5452

Grade level 9–12. One semester.
Prerequisite: None.
Academic Credit: 1/2 Elective.

Students explore the aesthetic foundations of art making using beginning photography techniques. This course may include, but is not limited to, color and/or black and white photography via digital media and/or traditional photography. Students become familiar with the basic mechanics of a camera, compositional foundations, printing an image for display, and evaluating a successful print. Student photographers may use a variety of media and materials, such as 35mm black and white film, single lens reflex camera, digital camera, cell phone cameras, cell phone lens attachments, darkroom, computer application, filters, various papers, digital output, photogram, cyanotypes, Sabatier effect, pinhole photography and alternative processes. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. Students will also explore photography as a 21st century life skill and career opportunities.

This course incorporates hands-on activities and consumption of art materials. This course utilizes a combination of free online photo editors and apps, as well as subscription based photo editing programs.

Photography 2 . . . . . H5453

Grade level 9–12. One semester.
Prerequisite: Photography I.
Academic Credit: 1/2 Elective.

Photography II is a project-intense course that builds upon the knowledge and skills gained in Photography I. Students may learn about various camera types and be able to perform proper handling and operations of advanced, standard, digital and vintage cameras and lenses. Students will learn about a variety of composition techniques using various photographic techniques and use the various composition techniques by performing individual projects. New concepts of lighting, color, composition and design will be applied to such fields as portraiture, photojournalism, still life product shooting and graphic design. Projects may be completed digitally or in traditional forms, including use of digital cameras, 35 mm equipment, photo editing software, apps, and techniques. Students may also be introduced to alternative processes.

This course incorporates hands-on activities and consumption of art materials. This course utilizes a combination of free online photo editors and apps, as well as subscription based photo editing programs.

This one semester course is open to students who have successfully completed the Photography I class.

Multimedia Design H5455

Grade level 9–12. One semester segments. Semesters three and four are designed for advanced students.
Prerequisite: None. Art Studio or Drawing & Design recommended
Materials fee required each semester.

The Multimedia Design course is a merging of traditional art processes with emerging technology. Students will link together a variety of media such as graphics, text, audio and visual programs using basic concepts of two- and three-dimensional design. Through a variety of learning activities, emphasis will be placed on the creative process, conceptual design, solutions and practical applications. May be taken 4 times.

Pottery H5155

Grade level 9–12. One semester.
Prerequisite: None. Art Studio or Drawing and Design recommended.
Materials fee required each semester.

Beginning students will study media skills, techniques of hand building with clay, such as pinch, coil and slab and history of clay as an art form. Clay processes, preparation, experimentation with texture, surface decoration, sculpture, wheel throwing, glazing and firing will be explored. Advanced students will calculate and mix chemicals to create glazing compounds. May be taken 4 times.

Printmaking H5630

Grade level 9–12. One semester.
Prerequisite: Art Studio, Art I or Drawing and Design.
Materials fee required each semester.

Beginning students will be introduced to the various printmaking methods that may include relief printing, intaglio, lithography, silk screening and embossing processes, depending on available equipment. Advanced students will create multi-colored images and learn to register multiple prints. May be taken 4 times.

Sculpture H5175

Grade level 9–12. One semester.
Prerequisite: None. Art Studio, Art I or Drawing and Design recommended.
Materials fee required each semester.

This is an introductory course in basic problems of three-dimensional forms using a variety of media: paper, wood, stone, clay, wax, wire, plaster, metal and glass. Additive and subtractive techniques will be explored. May be taken 4 times.

MUSIC

Band I, Concert H5626

Grade level 9–12. Two semesters.
Prerequisite: Beginning Band or Director's approval.

This course is designed to improve student's technical skills on their instrument. Students will experience an awareness of music through theory and history of band music. Students will be instructed to memorize scales in basic keys. Students will practice a balance of study books with some standard literature in preparation for advancement into concert band. Performances outside of class are required. Repeatable unlimited times.

Band II, Symphonic H5631

Grade level 9–12. Two semesters.
Prerequisite: Intermediate Band or Director's approval.

Students will experience advanced technical training through group and individualized instruction. Students will increase individual concepts of tone control, nomenclature and musical awareness through the study of band literature as well as technique materials drawn from standard study books. This course provides an increased emphasis on musical style and interpretation. Performances outside of class are required. Repeatable unlimited times.

Band III, Wind Ensemble H5641

Grade level 9–12. Two semesters.
Prerequisite: Audition and Director's approval.

This music ensemble is a sequel to concert band for those wishing to perform at an optimum playing level. This is a high involvement class with an emphasis on performance. Some written work and several evening performances are required during the year, including major concerts, solo and small ensemble festivals, large group festivals, area festivals and athletic events. Performances outside of class are required. Individual study is highly recommended. Repeatable unlimited times.

Band, Jazz H5651

Grade level 9–12. Two semesters.
Prerequisite: Audition, symphonic band performance level and Director's approval.

This class offers the advanced student a chance to explore the big band sound as well as exposure to the theory of improvisation and chord reading. The group will give the student a chance to play and perform more modern forms of dance orchestration such as rock, jazz, ballad, Latin, etc. Performances outside of class are required. Enrollment is limited to standard stage band instrumentation. Other instruments are possible upon instructor's approval. Because the basic concepts of musicianship apply to all styles of performance, students may be required to enroll in Symphonic Band in addition to Jazz Band to further their individual abilities. Repeatable unlimited times.

Choir, Intermediate H5521

Grade level 9–12. Two semesters.
Prerequisite: Audition or Director's approval

A sequel to the concepts of beginning choir for student who would like experience in increasing vocal and music-reading techniques through multi-part choral music and studies. Limited public performances outside of class are required. Repeatable unlimited times.

Choir, Mixed H5508

Grade level 9–12. Two semesters.
Prerequisite: None.

Fundamentals of choral music will be emphasized to include note reading, part-singing, interpretation, individual and group response to direction and basics of vocal technique. Limited public performances outside of class are required. Opportunity to prepare for advanced choral classes. Repeatable unlimited times.

Choir, Concert H5531

Grade level 9–12. Two semesters.
Prerequisite: Audition and Director's approval.

A high involvement level class with emphasis on performance for students of advanced choral ability to include increased individual musical development. Several required performances which may include major concerts, solo and small ensemble festivals and large group festivals. Increased individual study encouraged. Repeatable unlimited times.

Choir, Treble H5514

Grade level 9–12. Two semesters.
Prerequisite: None.

A choral ensemble that will perform music written only in treble clef (SA, SSA, SSAA, etc.). Fundamentals of choral music will be emphasized to include note-reading, part-singing, interpretation, individual and group response to direction and basics of vocal technique. Required performances will include major concerts and large group festivals as well as optional participation in solo and ensemble festivals. Repeatable unlimited times.

Choir, Tenor-Bass H5512

Grade level 9–12. Two semesters.
Prerequisite: None.

A choral ensemble that will perform music written only in

bass clef (TB, TTBB, etc.). Fundamentals of choral music will be emphasized to include note-reading, part-singing, interpretation, individual and group response to direction and basics of vocal technique. Required performances will include major concerts and large group festivals as well as optional participation in solo and ensemble festivals. Repeatable unlimited times.

Choir, Swing H5541

Grade level 9–12. Two semesters.
Prerequisite: Audition, concert choir performance level and Director's approval.

An ensemble of 12 to 24 select vocalists for the express purpose of singing various musical styles; may include jazz, madrigals or contemporary (pop). The group may perform frequently during the year at school and public functions. For advanced vocal student who is willing to participate in numerous required performances. Repeatable unlimited times.

Music Appreciation. H5718LS

Grade level 9–12 (10–12 for Peer teachers (PT)). One semester.
Prerequisite: None (Peer teachers (PT) must have Instructor's approval.)

This is a class for both Life Skills/Intensive Needs (LS/IN) students and General Education (GE) students interested in working as Peer Teachers with the LS/IN population. LS/PT Music Appreciation employs music and music-related activities to reinforce creativity, expression, and appropriate social interaction with peers and adults. GE students are enrolled as Peer Teachers, and their role is to work one-on-one and in small groups with the LS/IN students to reinforce class goals and develop meaningful peer relationships. The class is one-semester, repeatable unlimited times.

Orchestra, String Technique H5671

Grade level 9–12. Two semesters.
Prerequisite: None.

This course is for students with limited or no previous experience in music. It is for students who wish to learn to play a string instrument for personal or group experience. Students will learn basic left and right hand skill on an instrument and learn to read music notes and symbols. Students will have an opportunity for group playing as well as some limited individual study. This course is a brief overview of string instruments of different types and styles of music. Repeatable unlimited times.

Orchestra I, Preparatory. H5681

Grade level 9–12. Two semesters.
Prerequisite: Middle school experience or Director's approval.

This course will develop playing skills beyond a beginning level. Emphasis will be on basic, fundamental techniques of string playing including, but not limited to, development of left-hand technique, introduction of a variety of bowing styles, basic theory, key signatures, scales and music history. Home practice and some written work is required. Performances outside of class are required. Individual study is encouraged. Repeatable unlimited times.

Orchestra II, Concert H5683

Grade level 9–12. Two semesters.
Prerequisite: Middle school experience or Director's approval.

This course will develop more advanced technical skills in string playing. Emphasis will be on left-hand technique, including position work, bowing styles, tone production, basic theory, key signatures and scales. Students will become acquainted with rehearsal skills required for participation in large musical groups, through varied orchestral literature. Home practice, some written work and several evening performances are required with optional participation in Solo Ensemble Festival. Individual study is encouraged. Repeatable unlimited times.

Orchestra III, Symphonic Strings H5691

Grade level 9–12. Two semesters.
Prerequisite: Audition and Director's approval only.

This course is a sequel to Concert Orchestra for those wishing for an optimum playing level. This is a high-involvement class, including the educational benefits of preparing for performances. Command of relevant upper positions, left-hand technique and advanced bowing skills required. Home practice, some written work and several evening performances are required, including major concerts and large group festivals and optional participation in the Solo Ensemble Festival. Individual study is encouraged. Repeatable unlimited times.

Guitar, Beginning H5810

Grade level 9–12. Two semesters.
Prerequisite: None.

Introductory course for students who do not read music or have limited experience with the guitar. Studies include note-reading in the first position, basic chords, basic music theory, strumming and fingerstyle pattern accompaniment and an introduction to solo repertoire. Performance skills will be developed and opportunities for a recital may be offered. Repeatable for credit.

Guitar, Intermediate H5820

Grade level 9–12. Two semesters.
Prerequisite: Beginning Guitar or Director's approval.

A continuation of Beginning Guitar introducing note-reading in second position, chord studies including barre chords, music theory, major and minor scales, bass runs and fingerstyle patterns. Students will explore contemporary and classical literature and develop a basic solo repertoire. Performance skills will be stressed with opportunities for performance in semester recitals and optional participation in Solo Ensemble Festival. Repeatable for credit.

Guitar, Advanced H5830

Grade level 9–12. Two semesters.
Prerequisite: Intermediate Guitar or Director's approval.

A continuation of Intermediate Guitar introducing note-reading in the upper positions, music theory, scale studies and classical technique. Students will acquire a solo repertoire of contemporary and classical guitar pieces. Performance skills will be stressed with opportunities for performance in semester recitals, guitar ensemble and optional participation in Solo Ensemble Festival. Repeatable for credit.

Music Appreciation. H5710

Grade level 9–12. One semester.
Prerequisite: None.

This music course is open to all students and is a study of the lives, experiences and cultural pursuits of people through music.

Comprehensive studies will be done on composers and musical works. Also included in the course will be many listening activities of music from its beginning to the present.

Music Keyboard H5715

Grade level 9–12. One semester.
Prerequisite: None.

Beginning Keyboard teaches keyboard skills to those who have had limited or no previous experience with a keyboard instrument. Emphasis is placed on using the electronic keyboard as an accompaniment or as a simple melodic instrument. The class also includes chord symbols as well as theory as it applies to the instrument. May be taken 2 times.

Music Theory & Composition 1 . . . . . H5720

Grade level 9–12. One semester.
Prerequisite: None.

This class is for the serious music student who might be considering music as a major in college or the interested student wanting to learn more about fundamentals of music. The class will deal with the theory of music and apply these fundamentals to the composition of traditional music for instruments of definite and indefinite pitch. Standard forms and techniques based primarily on pre-19th Century writing will be utilized. Introduction to music technology, including computer and MIDI-assisted composition/transcription, may be explored.

Music Theory & Composition 2 . . . . . H5721

Grade level 9–12. One semester.
Prerequisite: Music Theory and Composition I or Director's approval.

A sequel to Music Theory and Composition, with emphasis on compositional technique. An emphasis may also include advanced computer-assisted composition, transcribing and arranging. Student compositions may be arranged for small instrumental or vocal ensembles.

Advanced Placement Music Theory H5730

Grade level 11–12. Two semesters.
Prerequisite: Teacher recommendation (student must demonstrate thorough knowledge of music fundamentals, including advanced aural skills and sight singing abilities).

The goal of this course is to prepare each student to take the annual AP Music Theory Exam. The course is designed according to College Board AP guidelines. As described by the College Board, "The ultimate goal of an AP Music Theory course is to develop a student's ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. The achievement of this goal may be best promoted by integrated approaches to the student's development of: aural skills, sight-singing skills, written skills, compositional skills and analytical skills."

Introduction to Percussion H5615

Grade level 9–12. One semester.
Prerequisite: None.

This course is for students with limited or no previous experience in music. It is for students who wish to learn to play a percussion instrument for personal or group experience. Music fundamentals will be taught as students gain experience on pitched and non-pitched percussion instruments (snare drum, bells, bass drum, timpani and auxiliary percussion instruments). Limited public performances outside of class may be required. May be taken 2 times.

Percussion Ensemble H5617

Grade level 9–12. One semester.
Prerequisite: Audition or Director's Approval.

This course is for students with previous percussion experience. Students will learn and perform music written for percussion ensemble while functioning as the percussion section for their school's bands. Emphasis will be placed on proper playing technique for each percussion instrument, snare drum rudiments and rhythm and pitch reading skills. Performances outside of class are required. Repeatable unlimited times.

Solo and Small Ensembles H5660

Grade level 9–12. One semester.
Prerequisite: Director's approval.

A practical laboratory course best designed for students who can orient their own course of daily study toward a musical proficiency goal predetermined by them and their instructors. A recital may be given at the end of the course. Repeatable unlimited times.

Vocal Technique 1. . . . . H5560

Grade level 9–12. One semester.
Prerequisite: None.

Vocal Technique 1 offers individualized instruction in voice. The basic techniques of vocal production and simple art songs will be introduced. Emphasis on independent study and may include the preparation of a classroom recital with an invited audience. Individual material or music will be selected according to the ability of each student. Course develops "stage presence," builds self-confidence and improves singing technique and ability.

Ukulele, Beginning H5504

Grade level 9-12. Two semesters.
Prerequisite: None.

Introductory course for students who do not read music or have limited experience with the ukulele. Studies include note-reading in the first position, basic chords, basic music theory, strumming and fingerstyle pattern accompaniment and an introduction to solo repertoire. Performance skills will be developed and opportunities for a recital may be offered. Repeatable for credit.

Ukulele, Intermediate H5505

Grade level 9-12. Two semesters.
Prerequisite: Ukulele, Beginning or directors approval.

A continuation of Beginning Ukulele introducing note-reading in fifth position, chord studies including barre chords, music theory, major and minor scales, accidentals, and new fingerstyle patterns. Students will explore contemporary and classical literature and develop a basic solo repertoire. Performance skills will be stressed with opportunities for performance in semester recitals and optional participation in Solo Ensemble Festival. Repeatable for credit.

Ukulele, Advanced H5503

Grade level 9-12. Two semesters
Prerequisite: Ukulele, Intermediate or directors approval.

A continuation of Intermediate Ukulele featuring development of note-reading, chord studies and fingerstyle patterns. Students will continue to explore contemporary and classical styles and develop a solo repertoire covering both styles. Performance skills will be stressed with opportunities for permanence in recitals and optional participation in Solo Ensemble Festival. Repeatable for credit.

Vocal Technique 2. . . . . H5561

Grade level 9–12. One semester.
Prerequisite: Vocal Technique 1 and/or Director's approval.

A continuation of Vocal Technique 1 with increased emphasis on advanced vocal literature and performance.

Music Entertainment Technology H5509S

Grade level 9–12. One semester.
Prerequisite: none. Repeatable once, with instructor permission

This course will address the creative application of music technology in a culturally relevant manner, exploring common media production techniques, current in the modern entertainment and advertising fields. Building upon a foundation of basic piano keyboarding and music theory skills, students will explore the application of GarageBand, iTunes, iPhoto, iDVD, iMovie, Microsoft Word and Safari programs in the creation of complex, media presentations. The course also examines the appropriate copyright and safety implications associated with electronic media.

THEATRE

Acting I H9610

Grade level 9–12. One semester. No English credit.
Prerequisite: None.

Much of this course will center around the fundamentals of acting and theatre work. It will include an introduction to improvisation, voice technique, body movement, physical conditioning and terminology. Role and script examination and interpretation may also be included for those students who have progressed well. Performances during school hours will be required. May be taken 8 times.

Acting II H9612

Grade level 10–12. One semester. No English credit.
Prerequisite: Acting I or director's approval.

A sequel to the concepts of Acting I. Students experience advanced technical training through group and individualized instruction. Styles of acting, character analysis, audition techniques, text analysis, vocal projection and methods of acting will be studied in practical application. Performance in class and during school hours will be required. May be taken 6 times.

Intro to Theatre H9620

Grade Level 9-12 One Semester
Prerequisite: None

Students will gain comprehensive knowledge of the fundamentals of theatre by exploring the concepts of: ensemble, theatre history, dramatic literature and script analysis, elements of playwriting, stage basics, theatrical industry, roles and careers in theatre, elements of theatrical design, production road map, notable practitioners, collaborative process, and cultural/societal relevance.

Play Production H9630

Grade level 9–12. One semester. No English credit.
Prerequisite: Introduction to Theatre, Stagecraft, and/or director's approval.

Students will gain hands-on experience producing a show from scratch. The course will culminate in a fully realized stage production conceptualized, designed, developed, managed, marketed, and executed by the students in the class. Performances during school hours and/or after school hours required. May be taken 6 times.

Stagecraft I & II . . . . . H9645 /H9646

Grade level 10–12. One semester each. No English credit.
Prerequisite: None.

Stagecraft is the study of all aspects of technical theater. It will include set design and construction, lighting and sound design, costume and property design and construction, marketing the production and crew and stage managing techniques and responsibilities. May be taken 6 times.

INTERNATIONAL BACCALAUREATE

(West High School)

The IB Diploma Program is a rigorous two-year college preparatory set of classes for juniors and seniors offered at West High School only. Diploma candidates must take classes in six subject areas: English, a second language, social studies, science, math, and the arts. They must also complete the Theory of Knowledge course.

Weighted grades and IB

All IB courses are weighted with the exception of the following: IB Literature and Performance, IB Environmental Systems and Societies, Intro to IB Math Studies, IB Math Studies, IB Mathematics Standard Level, IB History of the Americas I, IB Visual Arts I, IB Theater Arts I, and all of the IB Standard Level world language classes.

IB Literature I & II H0501IB/H0502IB

Grade level 11–12. Four semesters.
Prerequisite: Honors English I and/or II recommended.

Through the study of a wide range of literature, including texts in translation, the course encourages students to appreciate the artistry of literature and to develop an ability to reflect critically on their reading. Works are studied in their literary and cultural contexts, through close study of individual texts and passages, and by considering a range of critical approaches.

IB History of the Americas I & II. H3720IB/H3633

Grade level 11–12. Four semesters.
Prerequisite: Honors World History or teacher recommendation.
First year: US History credit; Second year: Economics and Government credit.

This course is designed to develop in students a lasting interest in and appreciation for the countries in the Western Hemisphere

and includes a comparative study the histories of Canada, United States and Latin America.

Introduction to IB Math Studies

Grade level 11-12. Two semesters.
Prerequisite: Informal Geometry

This course will introduce students to the topics of linear relations, quadratic functions, systems of equations, polynomial functions, probability, statistics and financial mathematics.

IB Mathematics Studies I & II H1800/H1802

Grade level 11–12. Four semesters.
Prerequisite: Geometry or Informal Geometry

This course will cover linear relations, quadratic functions, rational and inverse functions, grouping rational functions, systems of equations, complex number system, polynomial function, exponential and logarithmic functions, trigonometry, probability, statistics, financial mathematics and introduction to differential calculus.

IB Mathematics Standard Level. H1804

Grade level 10-12. Two semesters.
Prerequisite: Algebra II

This course covers logarithmic and exponential functions, analytic geometry, introduction to limits and the derivative, sequences and series, circular and trigonometric functions, graphs, laws, identities, inverses and their applications, vectors, and complex numbers. The course prepares students to study calculus and statistics and probability. Students in the course complete a written project called "mathematical exploration."

IB Mathematics Higher Level I & II. H1808/H1810

Grade level 11–12. Four semesters.
Prerequisite: Pre-Calculus

This course covers functions, graphs, limits, derivatives and integrals by including the study of parametric equation, polar functions and vector analysis.

IB Biology I & II H2248/H2250

Grade level 11–12. Four semesters.
Prerequisite: Biology, Chemistry strongly recommended.

This course will give students a broad and comprehensive experience in the experimental subject of biology, a science based on the use of the scientific method to answer the universal conundrums faced by all living things, with the hope of increasing the appreciation of and respect for life.

IB Chemistry I & II H2448/H2450

Grade level 11–12. Four semesters.
Prerequisite: Chemistry and Algebra II, Biology strongly recommended.

This course will give students a broad and comprehensive experience in the experimental subject of chemistry, a science based on the use of the scientific method to answer questions about the composition, structure and properties of all the things around us.

IB Environmental Systems & Societies H2288

Grade level 11–12. Two semesters.
Prerequisite: Chemistry or Conceptual Chemistry strongly recommended.

This one-year class is an interdisciplinary science course whose prime intent is to provide students with a coherent and scientific perspective on the environment, drawing attention to the students' relationship with their environment and the significance of choices and decisions they make in their lives.

IB Physics I & II H2541IB/H2542IB

Grade level 11-12. Four semesters.
Prerequisite: Algebra II, must take IB Physics I before taking IB Physics II

This course offers a study of the most fundamental of the experimental sciences, and it seeks to explain the universe itself. Topics covered include physical measurement, mechanics, thermal physics, waves, electricity and magnetism, atomic and nuclear physics, measurement and uncertainties, and quantum physics.

IB Theatre Arts I & II H9641/H9643

Grade level 11–12. Four semesters.
Prerequisite: Acting I or Play Production or teacher approval.

Theatre Arts will follow a curriculum emphasizing international themes, styles and literature and will be structured around the five elements: performing skills, world theatre skills, practical play analysis, theatre production and individual project. The overriding goal of the program is for students to come away with an understanding of the nature of theatre, its place and its contributions to societies all over the world and to become lifelong theatre goers and participants.

IB Music. H5723

Grade level 11–12. Four semesters.
Prerequisite: Orchestra, Band, or Choir or teacher approval.

Through in-depth analysis of representative works, the study of genres and styles found around the world and concentrated effort in solo performance, group performance, or composition, students will gain an educated insight into music and enhance their personal skills as musicians.

IB Visual Arts I & II H5019/H5021

Grade level 11–12. Four semesters.
Prerequisite: Art Studio or Drawing and Design or teacher approval.

The overall goal of the course is for students to develop a body of work, which represents their individual research and development of artistic expression.

IB French Standard Level (SL) I & II

(intermediate low to intermediate high). H1844IB/H1845IB

Grade level 9-12. Four semesters.
Prerequisite: French III or teacher recommendation.

This course focuses on language acquisition through the study and use of a wide range of written and spoken material (from everyday oral exchanges to literary texts) related to French-speaking cultures. Students develop the skills and inter-cultural understanding required to communicate successfully in an environment where French is spoken, thus moving beyond the confines of the classroom to expand their awareness of the world. The course—structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology)—approaches the acqui-

sition of language through contextual meaning. With this focus on the core topics and selected options, the course develops students' receptive skills (understanding authentic written texts and straightforward oral interactions), productive skills (communicating orally with detail and accuracy and writing texts for a variety of audiences) and interactive skills (engaging in conversations and demonstrating inter-cultural engagement).

IB French Higher Level (HL) I & II

(pre-advanced to advanced) H1846IB/H1847IB
Grade level 11-12. Four semesters.
Prerequisite: IB French SL I, II or teacher recommendation.

As with the IB French SL courses, this course is structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology). In terms of receptive skills, students will work to understand complex authentic written text, including the study of two works of literature, and complex oral interactions. In terms of productive skills, students will communicate orally with detail and accuracy to explain a point of view, to relate experiences and events, and to examine ideas and concept. They will also produce clear texts appropriately utilizing register, style, rhetorical devices and structural elements as well as producing convincing written arguments. In terms of interactive skills, students will learn to participate in spontaneous conversations that are coherent and varied and that demonstrate inter-cultural engagement.

IB German Standard Level (SL) I & II

(intermediate low to intermediate high). H1840IB/H1841IB
Grade level 9-12. Four semesters.
Prerequisite: German III or teacher recommendation.

This course focuses on language acquisition through the study and use of a wide range of written and spoken material (from everyday oral exchanges to literary texts) related to German-speaking cultures. Students develop the skills and inter-cultural understanding required to communicate successfully in an environment where German is spoken, thus moving beyond the confines of the classroom to expand their awareness of the world. The course—structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology)—approaches the acquisition of language through contextual meaning. With this focus on the core topics and selected options, the course develops students' receptive skills (understanding authentic written texts and straightforward oral interactions), productive skills (communicating orally with detail and accuracy and writing texts for a variety of audiences) and interactive skills (engaging in conversations and demonstrating inter-cultural engagement).

IB German Higher Level (HL) I & II

(pre-advanced to advanced) H1842IB/H1843IB
Grade level 11-12. Four semesters.
Prerequisite: IB German SL I, II or teacher recommendation.

As with the IB German SL courses, this course is structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology). In terms of receptive skills, students will work to understand complex authentic written text, including the study of two works of literature, and complex oral interactions. In terms of productive skills, students will communicate orally with detail and accuracy to explain a point of view, to relate experiences and events, and to examine ideas and concept. They will also produce clear texts appropriately utilizing register, style, rhetorical devices and structural elements as well as producing convincing written arguments. In terms of interactive skills, students will learn to participate in spontaneous conversations that are coherent and varied and that demonstrate inter-cultural engagement.

IB Spanish Standard Level (SL) I & II

(intermediate low to intermediate high). H1835IB/H1836IB
Grade level 9-12. Four semesters.
Prerequisite: Spanish III or teacher recommendation.

This course focuses on language acquisition through the study and use of a wide range of written and spoken material (from everyday oral exchanges to literary texts) related to Spanish-speaking cultures. Students develop the skills and inter-cultural understanding required to communicate successfully in an environment where Spanish is spoken, thus moving beyond the confines of the classroom to expand their awareness of the world. The course—structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology)—approaches the acquisition of language through contextual meaning. With this focus on the core topics and selected options, the course develops students' receptive skills (understanding authentic written texts and straightforward oral interactions), productive skills (communicating orally with detail and accuracy and writing texts for a variety of audiences) and interactive skills (engaging in conversations and demonstrating inter-cultural engagement).

IB Spanish Higher Level (HL) I & II

(pre-advanced to advanced) H1837IB/H1838IB
Grade level 11-12. Four semesters.
Prerequisite: IB Spanish SL I, II or teacher recommendation.

As with the IB Spanish SL courses, this course is structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology). In terms of receptive skills, students will work to understand complex authentic written text, including the study of two works of literature, and complex oral interactions. In terms of productive skills, students will communicate orally with detail and accuracy to explain a point of view, to relate experiences and events, and to examine ideas and concept. They will also produce clear texts appropriately utilizing register, style, rhetorical devices and structural elements as well as producing convincing written arguments. In terms of interactive skills, students will learn to participate in spontaneous conversations that are coherent and varied and that demonstrate inter-cultural engagement.

IB Russian Standard Level (SL) I & II

(intermediate low to intermediate high).....H1848IB/H1849IB
Grade level 9-12. Four semesters.
Prerequisite: Russian III or teacher recommendation.

This course focuses on language acquisition through the study and use of a wide range of written and spoken material (from everyday oral exchanges to literary texts) related to Russian-speaking cultures. Students develop the skills and inter-cultural understanding required to communicate successfully in an environment where Russian is spoken, thus moving beyond the confines of the classroom to expand their awareness of the world. The course—structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology)—approaches the acquisition of language through contextual meaning. With this focus on the core topics and selected options, the course develops students' receptive skills (understanding authentic written texts and straightforward oral interactions), productive skills (communicating orally with detail and accuracy and writing texts for a variety of audiences) and interactive skills (engaging in conversations and demonstrating inter-cultural engagement).

IB Russian Higher Level (HL) I & II

(pre-advanced to advanced) H1850IB/H1851IB
Grade level 11-12. Four semesters.
Prerequisite: IB Russian SL I, II or teacher recommendation.

As with the IB Russian SL courses, this course is structured around three core topics (communication and media, global issues, social relationships) and any two of the following five options (cultural diversity, customs and traditions, health, leisure, science and technology). In terms of receptive skills, students will work to understand complex authentic written text, including the study of two works of literature, and complex oral interactions. In terms of productive skills, students will communicate orally with detail and accuracy to explain a point of view, to relate experiences and events, and to examine ideas and concept. They will also produce clear texts appropriately utilizing register, style, rhetorical devices and structural elements as well as producing convincing written arguments. In terms of interactive skills, students will learn to participate in spontaneous conversations that are coherent and varied and that demonstrate inter-cultural engagement.

IB Theory of Knowledge I & II H3811/H3812

Grade level 11–12. Three semesters.
Prerequisite: Enrollment in IB diploma program.

This one-year class will provide a forum for students to critically reflect upon their education. The goal is to help them to become mindful learners in two important ways: first, to be able to see the connections between the disparate fields of their six core subjects and second, to begin to answer for themselves the questions of epistemology.

JROTC

PE Waiver for JROTC Participation: Upon successful first semester completion of JROTC, students will receive a .5 Elective credit. Upon successful second semester completion of JROTC, students will receive a .5 Elective and a waiver of .5 credit of their PE requirement. Upon successful third semester completion of JROTC, students will receive a .5 Elective credit. Upon successful fourth semester completion of JROTC, students will receive a .5 Elective credit and a waiver of .5 credit of their PE requirement. Upon successful completion of 2 years of JROTC, students will receive 2 elective credits and a waiver of 1.0 credits of their PE requirement. PE waivers are allowed by participation in JROTC programs and are not contingent upon participation in summer JROTC camps.

AFJROTC I. H9752

Grade level 9–12. Two semesters.
Prerequisite: None.

Provides the student interested in military academy appointments, ROTC scholarships, enlisted military service after high school, or civilian aerospace-oriented careers with opportunities to develop leadership and management skills, communications techniques and instructional capabilities in the framework of a role-playing leadership laboratory. Drill and ceremony, military bearing, citizenship training and patriotism prepare the cadets for participation in community service opportunities.

AFJROTC II H9754

Grade level 9–12. Two semesters.
Prerequisite: JROTC I.

The student will understand and apply basic principles of aerodynamics, propulsion and navigation as they relate to the aerospace environment. Cadets assume greater responsibility in running the corps as assistants to the staff officers during the second year. Successful completion of the two years of Aerospace Education entitles a student to the AFJROTC Certificate of Training with educational and career benefits. One-half science credit may be earned for the completion of AFJROTC II.

AFJROTC III. H9756

Grade level 9–12. Two semesters.
Prerequisite: JROTC I-II (recommended but not required).

Students will understand and be able to interpret the role of the United States in international space as man expands his research and travel to other planets. Third year cadets organize and administer the corps through command and staff assignments. Outstanding cadet leaders receive national recognition and possible selection for military academies or ROTC scholarships. Selected volunteers may participate in cooperative career training program at Elmendorf Air Force Base.

AFJROTC IV H9758

Grade level 9–12. Two semesters.
Prerequisite: JROTC III.

A survey of the relations between nations of the world, the elements of national power and the nature and development of U.S. Air Force doctrine. Also included are instructional units on

the foundations of leadership, communicative skills, survival and the obligations and opportunities of the military services.

Army JROTC I H9760
Grade level 9–12. Two semesters.
Prerequisite: Must be 14 by the end of 9th grade. No record of conviction by civil court.

First year students are given introduction to leadership development, consisting of introduction to Army JROTC organization, personal hygiene, Red Cross first aid/AED/CPR certification, introduction to map reading, marksmanship safety and basic marksmanship, U.S. Constitution and Bill of Rights, unlocking your potential, leadership and followership development and drill.

Army JROTC II H9762
Grade level 9–12. Two semesters.
Prerequisite: Completion of Army JROTC I.

Second year students are given added instruction in organizational skills. Intermediate marksmanship, intermediate methods of instruction, leadership development and drill, introduction to leadership theory, participation in service learning, team building skills, study of character values, intermediate map reading. Recertification in first aid/CPR/AED and development of communication skills.

Army JROTC III H9764
Grade level 9–12. Two semesters.
Prerequisite: Completion of Army JROTC II.

Third year students are given applied leadership, consisting of psychology of leadership, seminar in leadership and management, seminar in leadership ethics and values, leadership and small unit leader problems, leadership development and drill, service learning opportunities, applied methods of instruction, recertification in first aid/CPR/AED, exploration of careers, economics and the financial planning process.

Army JROTC IV H9766
Grade level 9–12. Two semesters.
Prerequisite: Completion of Army JROTC I, II, & III.

Fourth year students are given advanced leadership consisting of conflict resolution and application of leadership principles. Leadership Lab where fourth-year cadets are required to coordinate and organize a service learning project, practical application of leadership in the planning and the operation of all unit staff functions, advanced instruction in written and oral communication, recertification in first aid/CPR/AED and practical application of methods of instruction.

Naval Science/Leadership I H9768
Grade level 9–12. Two semesters.
Prerequisite: None.

An introduction to developing leadership, teamwork and high standards of personal conduct and appearance. The subject taught will cover six major areas: history of NJROTC, military drill, citizenship, uniforms, laws-authority-responsibility, military customs and courtesies.

Naval Science/Leadership II H9770
Grade level 9–12. Two semesters.
Prerequisite: None.

A continuation of leadership development, war at sea, how the U.S. Navy functions, naval strategy and tactics, maritime geography- oceanography- meteorology-astronomy and aeronautical science.

Naval Science/Leadership III H9772
Grade level 9–12. Two semesters.
Prerequisite: None.

There is an increased emphasis on leadership responsibilities by assuming positions of leadership as cadet officers. The subject taught will emphasize sea power, national security, laws of the sea, shipboard life, rules of the road, and navigation-time.

Naval Science/Leadership IV H9774
Grade level 10–12. Two semesters.
Prerequisite: None.

This year culminates the cadets' leadership roles by having them be responsible for the direction of the unit. The curriculum will emphasize ethics and morals, case studies, positions of authority and the responsibility for others.

LANGUAGE ARTS

English I. H0120
Grade level 9. Required. Two semesters.
Prerequisite: None.

This full-year required course incorporates a thematic approach with genre studies. The texts, activities, and assessments have been designed to ensure student growth toward meeting the Common Core State Standards in the areas of reading literature, reading informational text, writing, speaking, listening, and language. Students will read a variety of both world and American literature with an emphasis on textual analysis, including drawing inferences, analyzing main ideas, and distinguishing fact and opinion. Writing, research, vocabulary, and grammar instruction are integrated in every unit.

Honors English I H0120H
Grade level 9. Two semesters.
Prerequisite: Language Arts teacher recommendation required.

The Honors English I program is planned for students who demonstrate academic ability and specific interests in an accelerated curriculum in Language Arts. The course parallels the established curriculum of English I; however, Honors English I covers material more rapidly and includes additional selections. Students will read and analyze the classics of world literature and focus on academic writing techniques.

English I Online. H0120OL
Grade level 9. Required. Two semesters.
Prerequisite:. None.

This online course incorporates an integrated approach to the teaching of reading and writing. Students read a variety of fiction and nonfiction world literature with an emphasis on literary analysis, including drawing inferences and analyzing main ideas. Students are taught the writing process and write in varying modes and for different purposes and audiences throughout the year. Grammar and vocabulary skills are integrated throughout each unit.

English II – World Literature H0122

Grade level 10. Required. Two semesters.
Prerequisite: None.

This full-year required course incorporates an integrated approach to the teaching of listening, speaking, reading and writing to meet the Common Core State Standards. Students read a variety of fiction and nonfiction world literature with an emphasis on literary analysis, including drawing inferences and analyzing main ideas; media presentations from a variety of perspectives; and dramatic interpretations from plays and excerpts. Students are taught writing process and write in varying modes and for different purposes and audiences throughout the year. Grammar and vocabulary skills are integrated throughout each unit. The fundamentals of formal speech, both to persuade and inform, are also important elements of this world literature course.

Honors English II – World Literature. H0122H

Grade level 10. Two semesters.
Prerequisite: Language Arts teacher recommendation required.

Honors English II is intended for students who demonstrate academic ability and specific interests in an accelerated curriculum in Language Arts. The course parallels the established curriculum for English II; however, Honors II covers materials more rapidly and includes additional selections. In-depth study of literary classics and academic writing, research skills, oral expression and listening will be stressed.

English II – World Literature Online H0122OL

Grade level 10. Required. Two semesters.
Prerequisite: None.

This online course incorporates an integrated approach to the teaching of reading and writing with a focus on world literature. This full-year required course incorporates an integrated approach to the teaching of listening, speaking, reading and writing to meet the Common Core State Standards. Students read a variety of fiction and nonfiction world literature with an emphasis on literary analysis, including drawing inferences and analyzing main ideas; media presentations from a variety of perspectives; and dramatic interpretations from plays and excerpts. Students are taught writing process and write in varying modes and for different purposes and audiences throughout the year. Grammar and vocabulary skills are integrated throughout each unit. The fundamentals of formal speech, both to persuade and inform, are also important elements of this world literature course.

English III – US Literature H0124

Grade level 11. Required. Two semesters.
Prerequisite: None

English III US Literature: This full-year required course focuses on American literature and how it has helped shape our nation. Students will explore and study great literary works from throughout United States' history including Early American, Civil War, Great Depression and Civil Rights eras. In addition to reading a variety of rich fiction and informational texts, students will improve their writing, critical thinking, speaking, vocabulary, and grammar skills through lessons aligned to the Common Core State Standards. Sharpening their skills through performance tasks such as on demand and extended writing and formal and informal presentations will prepare students to achieve career and college readiness.

English III – US Literature Online H0124OL

Grade level 11. Required. Two semesters.
Prerequisite: None

English III US Literature: This full-year online required course focuses on American literature and how it has helped shape our nation. Students will explore and study great literary works from throughout United States' history including Early American, Civil War, Great Depression and Civil Rights eras. In addition to reading a variety of rich fiction and informational texts, students will improve their writing, critical thinking, speaking, vocabulary, and grammar skills through lessons aligned to the Common Core State Standards. Sharpening their skills through performance tasks such as on demand and extended writing and formal and informal presentations will prepare students to achieve career and college readiness.

English IV H0126

Grade level 12. Required. Two semesters.
Prerequisite: None

English IV is a full year, 12th grade thematic course including four units of study: Morality, Citizenship, Social Justice, and Nature & Environment. These universal themes are intended to engage students in the critical thinking they must practice to become active participants in their communities. The course meets the Common Core State Standards and focuses on American literature, including seminal U.S. political documents, and world literature, including Shakespeare and other important authors. As the culminating high school English course, the primary writing focus is on expository and argumentative writing, including researched arguments, multimedia presentations, and essays in the major patterns of exposition. Grammar and vocabulary are integrated with the reading, writing, speaking and listening content within each thematic unit in order to ensure instruction of all standards.

English IV Online H0126OL

Grade level 12. Required. Two semesters.
Prerequisite: None

English IV is a full year, 12th grade thematic online course including four units of study: Morality, Citizenship, Social Justice, and Nature & Environment. These universal themes are intended to engage students in the critical thinking they must practice to become active participants in their communities. The course meets the Common Core State Standards and focuses on American literature, including seminal U.S. political documents, and world literature, including Shakespeare and other important authors. As the culminating high school English course, the primary writing focus is on expository and argumentative writing, including researched arguments, multimedia presentations, and essays in the major patterns of exposition. Grammar and vocabulary are integrated with the reading, writing, speaking and listening content within each thematic unit in order to ensure instruction of all standards.

English 9–12 AC 1 . . . . . H0012LS1

Grade level 9–12. Required. One semester.
Prerequisite: IEP.

This course teaches functional skills in the areas of listening, speaking, reading and writing moving toward increased independence. Alternate curriculum for students enrolled in a Life Skills 1 class as required by their IEP. This course is repeatable.

English 9–12 AC 2. . . . . H0012LS2

Grade level 9–12. Required. One semester.
Prerequisite: IEP.

This course teaches functional skills in the areas of listening, speaking, reading and writing moving toward increased independence. Alternate curriculum for students enrolled in a Life Skills 1 class as required by their IEP. This course is repeatable.

LANGUAGE ARTS ELECTIVES

Advanced Placement Literature and Composition H0146

Grade level 11–12. Two semesters.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

Advanced Placement Literature and Composition, a college-level course, provides an in-depth study of several major literary works and prepares students for the AP Exam in Literature and Composition, a means of obtaining advanced placement in English at most colleges. Writing is an integral part of the course and exam, and writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Reading in this course is both wide and deep, building upon the reading done in previous English courses. Students read works from several genres, including poetry and drama, and periods, from the sixteenth to the twenty-first century.

Advanced Placement Literature and Composition Online H0146OL

Grade level 11–12. Two semesters.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

This is an online course. Advanced Placement Literature and Composition, a college level course, provides an in-depth study of several major literary works and prepares students for the AP Exam in Literature and Composition, a means of obtaining advanced placement in English at most colleges. Writing is an integral part of the course and exam, and writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Reading in this course is both wide and deep, building upon the reading done in previous English courses. Students read works from several genres, including poetry and drama, and periods, from the sixteenth to the twenty-first century.

Advanced Placement Language and Composition H0245

Grade level 11–12. Two semesters.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

Advanced Placement Language and Composition is a college-level course that assists students in becoming skilled readers of literature and writers who compose for a variety of purposes. This course also prepares students for the AP Exam in Language and Composition, a means of obtaining advanced placement in English at most colleges. An intensive analysis of literature will develop students' awareness of the use of language and influence their writing.

Advanced Placement Language and Composition Online H0245OL

Grade level 11–12. Two semesters.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

This is an online course. Advanced Placement Language and Composition is a college level course that assists students in becoming skilled readers of literature and writers who compose for a variety of purposes. This course also prepares students for the AP Exam in Language and Composition, a means of obtaining advanced placement in English at most colleges. An intensive analysis of literature will develop students' awareness of the use of language and influence their writing.

Bible As Literature H0395

Grade level 11–12. One semester.
Prerequisite: None.

This course acquaints students of all beliefs with the history, culture, and literature of the Bible. Students will read selections from the Old Testament that include history, poetry, prophecy, law, and tales. Readings from the New Testament and the Apocrypha will be included as time permits. Additionally, students will read contemporary literature making references to Biblical stories and themes. This course will require extensive reading, writing and discussion.

Children's Literature. H0450

Grade level 11–12. One semester.
Prerequisite: None.

Students will explore the history of children's literature and critically analyze the changes overtime through awards, popular trends, and style. Students are expected to develop skills in recognizing the following in children's literature: genre traits, characteristics of classics, art forms and illustration, varied formats, literature devices and writer's craft. This course may also include the study and practical application of those skills through performances, projects, and daily written response. Students will also learn to discern and identify various child developmental stages and relate to specific genre and/or literature. A variety of genres and various novels (chapter books), short stories, folk tales, picture books and poems will be read, discussed and used for models of writing. Children's literature websites and author websites will be online texts that contribute to the richness of this

course. Performance assessments may include but are not limited to the creation of podcasts, contributions to class blogs or wikis, and time spent reading to children.

Classical Mythology H0435

Grade level 11–12. One semester.
Prerequisite: None.

Classical Mythology traces the human quest to understand our world and mankind's place in the universe through the exploration of Greek and Roman myths. Students will read ancient texts, plays, epics, poetry and modern literature containing allusions to classical mythology. Topics of study will include the historical and theoretical basis of myths and archetypes, including heroes, monsters, quests, and cautionary tales. The course serves as a historical foundation for ideas and attitudes of contemporary culture and explores how references to mythology permeate our modern world through art, literature and music. Classical Mythology will include extensive reading, discussion, creative and analytical writing, and oral presentations.

Contemporary Literature H0411

Grade level 11–12. One semester.
Prerequisite: None.

Contemporary Literature is a study of representative works of literature from the last quarter of the twentieth century to the present. Coursework will include the reading and analysis of multiple contemporary works or genres (e.g. poetry and drama, fiction and nonfiction, print and non-print media) that are teacher and student selected. Students will also explore the biographical background, influences and styles of various authors and their contributions to the changing social and intellectual cultures in America. In addition to the reading and discussion of multiple works, students will also write extensively.

Composition, Intermediate H0221

Grade level 11–12. One semester.
Prerequisite: None

Intermediate Composition requires students to read and write around complex literary and informational texts. Students will compose pieces based on three genres: writing to argue, inform/explain, and narrate (convey experiences). Students conduct short as well as more sustained research projects based on focused questions. Students will learn to integrate and synthesize multiple print and digital sources. Emphasis will be on identifying and developing the skills of flexibility, concentration, and fluency in order to produce quality on-demand and extended compositions. Intentional focus will be on supporting students on their way to creating coherent and well-structured texts that contain elements of structure, detail, and craft to accomplish their communicative purposes.

Composition, Advanced. H0222

Grade level 11–12. One semester.
Prerequisite: None

Advanced Composition requires students to read and write around complex literary and informational texts. Students will compose texts based on three genres: writing to argue, inform/explain, and narrate (convey experiences). Students build and refine research, rhetorical, stylistic, and editing skills. An emphasis is placed on writing for on-demand situations, enhancing the overall rhetorical power and communicative purposes of texts, and writing routinely over extended time frames. Skills previously developed in Intermediate Composition will be directly transferable as students in Advanced Composition will be expected to independently produce rhetorically powerful, high-quality, first-draft texts under tight deadlines, as well as independently revisit and revise writing over multiple drafts

Creative Writing. H0240OL

Grade levels 9–12. One semester.
Prerequisite: None.

Creative Writing is an English elective course that focuses on the exploration of short fiction and poetry, culminating in a written portfolio that includes one revised short story and three to five polished poems. Students draft, revise, and polish fiction and poetry through writing exercises, developing familiarity with literary terms and facility with the writing process as they study elements of creative writing.

Debate H0520

Grade level 9–12. One semester: This course is offered as English elective credit for the first semester and general elective credit for succeeding semesters.
Prerequisite: None.

Debate offers students instruction in persuasive techniques one quarter and formal debate the other quarter. While learning persuasive techniques students study argumentation, rhetoric, and practical applications such as marketing and advertisement. These skills may be applied in projects such as mock trials, congressional hearings, newscasts, and various technical presentations. For formal debate, students will learn about Lincoln-Douglas, policy, crossfire, or parliamentary debate and participate in a debate representing either the affirmative or negative side of a case after preparing for both sides.

Digital Composition H0252

Grade level 11–12. One semester.
Prerequisite: None.

The curriculum supports a venue for students to explore and apply knowledge of digital tools and related resources as a means for increased media literacy, written expression and publishing. Students will practice the process and art of composition and then transform select pieces into one of many electronic forms, such as movies, podcasts, blogs, electronic surveys, and websites. Essays, articles, and literature selections are integrated throughout the unit plans. A critical review of websites (content and design) is another component of this class, as well as an examination of the ethical responsibilities of electronic publishers.

Digital Composition H0252OL

Grade level 11–12. One semester.
Prerequisite: None. NOT NCAA APPROVED

The curriculum supports a venue for students to explore and apply knowledge of digital tools and related resources as a means for increased media literacy, written expression and publishing. Students will practice the process and art of composition and then transform select pieces into one of many electronic forms, such as movies, podcasts, blogs, electronic surveys, and websites. Essays,

38 Not all courses in this catalog will be offered at all schools at any one time. articles, and literature selections are integrated throughout the unit plans. A critical review of websites (content and design) is another component of this class, as well as an examination of the ethical responsibilities of electronic publishers

Dignity in Diversity H3510

Grade level 11–12. One semester.
Prerequisite: None.
Academic Credit: .5 English Elective OR .5 Social Studies Elective

Dignity in Diversity focuses on four primary concepts to inspire students toward and prepare them for a democratic society. These concepts include democracy/equity, crosscultural understanding, interdependence and socio cultural exchange. The methodology of the course encourages students to understand more than one perspective in a dilemma, to place themselves in the position of other people and to be willing to express ideas in class without fear of ridicule. Through an interdisciplinary approach that uses social studies and literature, students have an opportunity to view the relationship of history to their lives and to explore the roles and responses of individuals and groups confronting contemporary difficult issues and dilemmas.

Film As Literature H0396

Grade level 9–12. One semester.
Prerequisite: None.

Students will develop a critical appreciation of film as a literary genre while exploring how films communicate and affect the viewer and society. Movies from various genres and time periods will be viewed and analyzed using conventional literary devices such as theme, plot, diction, character, mood, setting, and style. Students will respond to and analyze films through extensive writing, discussion, and projects, including written essays, learning logs, storyboards, and film writing and production. In addition, students will build an understanding of visual literacy and the history of film as a literary genre.

Film as Literature H0396OL

Grade level 9-12.One semester.
Prerequisite: None

The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.

Gothic Literature Online. H0372OL

Grade level 9–12. One semester.
Prerequisite: None

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This online course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

Humanities H0415

Grade level 11–12. One semester.
Prerequisite: None.

Humanities students study the nature of being human in a series of four units: human rights and cultures, art history, innovative ideas, and modes of self-expression. Students participate in simulations, art and music interpretations, technology projects, and discussions about human ideas and current world events. Contributions to humanity are addressed as a culminating event for the class. This course requires many short reading selections, written responses and research, performances, and presentations.

Journalism 1: Theory and Practice H0244

Grade level 9–12. One semester.
Prerequisite: None.

Journalism 1 is a reading and writing course for highly motivated students. This course will explore and practice various writing styles used in a journalism career. Emphasis will be placed on grammar, usage and style according to the AP Stylebook. Proofreading and editing skills will be practiced. The class will develop research, interviewing and documentation skills used in creating well-written, balanced stories. Readings will include selected models of journalistic writing, biographies and historically significant publications. Writing may include, but is not limited to analysis, news, feature, editorial and sports writing. Students will have opportunities to submit pieces for publication.

Journalism 2: Writing for Publication H0761

Grade level 10–12. One semester: This course is offered as English credit for the first semester and elective credit for succeeding semesters.
Prerequisite: Completion of Journalism 1 with a grade of "B" or better and/or instructor's permission.

Journalism 2 is an advanced reading and writing course for highly motivated students who wish to continue learning and practicing journalistic writing. This course is designed to produce and manage school-wide publications. Students will continue to improve writing and editing skills learned in Journalism 1 as they study graphics, layout, web design, desktop publishing and new trends in journalistic publishing. Students will practice a variety of journalism skills in this real-world setting such as advertising sales, layout and design, photography composition, managerial and editorial skills, investigative reporting and legal ethics and responsibilities. Readings will include models of journalistic writing, biographies and significant current events and publications. Grammar, usage, proofreading and editing skills will be emphasized. Assignments will be prepared in AP Stylebook format for publication. The ability to work responsibly and individually to meet deadlines is essential and expected. Teamwork is expected. Students will write in different reporting styles such as news, feature, sports and editorial writing.

Reading 9–12 AC H0015LS

Grade level 9–12. Two semesters.
Prerequisite: IEP.

This course provides instruction in functional reading skills to teach independence in the community. Alternate curriculum for students enrolled in a Life Skills class as required by their IEP. English credit up to two times, and unlimited for general elective.

Science Fiction and Fantasy H0455

Grade level 11–12. One semester.
Prerequisite: None.

Science Fiction and Fantasy is a course that explores the outer limits of the imagination and the far-reaching possibilities for the human race and technology through literature. Students will read and discuss classic as well as contemporary novels and short stories in these genres. This course emphasizes science fiction and fantasy genres as vehicles for social criticism and stimulation of thought about technological development and psychological, societal and political organization. Students will write in various modes using multimedia tools.

Shakespeare H0460

Grade level 11–12. One semester.
Prerequisite: None.

This course illuminates selected works of Shakespeare and provides an introduction to the Elizabethan era. When you read Shakespeare do you think it's all "Greek to me"? Then don't worry; you're already quoting him (Julius Caesar, III). This course is a fun, yes fun, introduction to Shakespeare, his work, his times, and his continuing impact. Students actively engage in producing Shakespeare's works and creative responses to Shakespeare's works. They may write (journals, essays, blogs); discuss/seminar (in small groups and large, online or in person); recite (sonnets, speeches); perform (scenes, acts, plays); create (electronic magazines/newspapers, web pages, original scripts and/or poems). The goal is to help students learn to enjoy Shakespeare (or any challenging literature) as they learn the skills of critical reading, listening and writing.

Sports & Mystery H0461

Grade level 11–12 One semester.
Prerequisite: None.

This semester course is a rigorous examination of the Sports and Mystery literary genres. Sports are a catalyst for cultural change while mysteries require critical thinking and deductive reasoning. Together, they will be studied as lenses to reveal human character and values. Selections will incorporate contemporary and classic novels, short stories, magazine articles, poetry, film, and other media. Along with reading and discussion, students will write extensively, both analytically and creatively. Ultimately, this course explores the complex roles sports literature and mysteries play in the world of literature.

Strategic Writing H9686

Grade levels 9–12. One semester.
Prerequisite: None.
This course is offered as English elective credit for the first semester and general elective credit for succeeding semesters.

Strategic Writing is designed to address the literacy needs of students who want to achieve greater writing success in high school and beyond. Assessment data will identify areas for skill and strategy development to allow teachers to individualize and differentiate instruction. Students will write daily to hone skills and develop fluency. Instruction will focus on the writing process, including pre-writing, drafting, revision, and editing. Student will write in various genres and styles; analyze and improve sentence, paragraph, and essay structure; and work on proper grammar, spelling, and punctuation. They will read regularly and use technology tools to support the writing process.

Strategic Writing H9686OL

Grade levels 9–12. One semester.
Prerequisite: None.

This course is offered as English elective credit for the first semester and general elective credit for succeeding semesters. Strategic Writing is designed to address the literacy needs of students who want to achieve greater writing success in high school and beyond. Assessment data will identify areas for skill and strategy development to allow teachers to individualize and differentiate instruction. Students will write daily to hone skills and develop fluency. Instruction will focus on the writing process, including prewriting, drafting, revision, and editing. Student will write in various genres and styles; analyze and improve sentence, paragraph, and essay structure; and work on proper grammar, spelling, and punctuation. They will read regularly and use technology tools to support the writing process.

Technical Writing in the 21st Century H0250

Grade level 11–12. One semester.
Prerequisite: None.

This writing course rigorously explores technical writing by studying the conventions and formats of the genre. Students will learn to write more clearly, concisely, and credibly. There will be a review of grammar and punctuation, as well as the rules for sentence construction and document organization. Students will produce products that are practical, user-friendly, client-driven, and professional. The writing will be business-oriented and reflective of real world usage.

Technical Writing in the 21st Century H0250OL

Grade level 11–12. One semester.
Prerequisite: None.

This writing course rigorously explores technical writing by studying the conventions and formats of the genre. Students will learn to write more clearly, concisely, and credibly. There will be a review of grammar and punctuation, as well as the rules for sentence construction and document organization. Students will produce products that are practical, user friendly, client driven, and professional. The writing will be business oriented and reflective of real world usage.

World Mythology H0436

Grade level 11–12. One semester.
Prerequisite: None.

World Mythology examines the common elements found in myths from a variety of cultures, including the Middle East, Egypt, Africa, Asia, Northern Europe, and the Americas. Students will read ancient texts, plays, epics, poetry and contemporary literature containing allusions to world myths. Topics of study will include the historical and theoretical basis of myths and archetypes, including creation, heroes, monsters, tricksters, and quests. World Mythology will include extensive reading, discussion, creative and analytical writing, and oral presentations.

World Mythology Online H0436OL

Grade level 11–12. One semester.
Prerequisite: None.

This is an online course. World Mythology examines the common elements found in myths from a variety of cultures, including the Middle East, Egypt, Africa, Asia, Northern Europe, and the Americas. Students will read ancient texts, plays, epics, poetry and contemporary literature containing allusions to world myths. Topics of study will include the historical and theoretical basis of myths and archetypes, including creation, heroes, monsters, tricksters, and quests. World Mythology will include extensive reading, discussion, creative and analytical writing.

MATHEMATICS

Algebra Readiness Online H1344OL

Grade level 9–12. One semester.
Prerequisite: This online course can not be taken by students who have successfully completed Pre-Algebra, Survey of Algebra or Algebra A or B, or Algebra I or any higher level math course.

This online course is designed to prepare students for success in an algebra course. The emphasis will be on continued development of pattern recognition, computational skills, elementary algebra topics, and the use of technology.

Algebra I H1352

Grade level 9–12. Two semesters.
Prerequisite: First semester enrollment requires at least one of the following:

1. **A grade of "C" or better in 8th grade math.**
2. **A grade of "C" or better in Pre-Algebra.**
3. **Recommendation or approval of student's most recent math instructor or math department chairperson.**

The prerequisite for the second semester of Algebra I is the successful completion of the first semester or consent of instructor or math department chairperson. Students who have successfully completed Algebra B or Survey of Algebra can NOT take Algebra I.

The course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers, expressing quantitative statements in the language of algebra, solving equations and inequalities, polynomials, the use of rational expressions in equations, coordinate graphing, irrational numbers, solution of quadratic equations and related applications.

To receive high school credit for this course being taken in Middle School, the student must earn a grade of C or better.

From Credit by Choice, revised 10/6/10.

Algebra I Online H1352OL

Grade level 9–12. Two Semesters.
Prerequisite: First semester enrollment requires at least one of the following:

1. **A grade of "C" or better in 8th grade math.**
2. **A grade of "C" or better in Pre-Algebra.**
3. **Recommendation or approval of student's most recent math instructor or math department chairperson.**

The prerequisite for the second semester of Algebra I is the successful completion of the first semester or consent of instructor or math department chairperson. Students who have successfully completed Algebra B or Survey of Algebra can NOT take Algebra I.

This online course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers, expressing quantitative statements in the language of algebra, solving equations and inequalities, polynomials, the use of rational expressions in equations, coordinate graphing, irrational numbers, solution of quadratic equations and related applications.

Algebra II H1377

Grade level 9–12. Two semesters.
Prerequisite: A grade of "C" or better in Algebra I and Geometry or consent of previous mathematics instructor and/or math department chairperson. The prerequisite for the second semester of Algebra II is the successful completion of the first semester or consent of instructor and/or math department chairperson.

This course includes problem solving, data analysis, the use of technology (i.e., graphing calculator, computer), basic operations with polynomials, solving equations and inequalities, sequences and series, relations and functions, systems of equations in two and three variables, understanding and operations with matrices, irrational and complex numbers through the solution of quadratic functions and polynomial functions of higher than first degree, use and evaluation of the Euler number, and an introduction to logarithms.

To receive high school credit for this course being taken in Middle School, the student must earn a grade of C or better.

From Credit by Choice, revised 10/6/10.

Algebra II Online H1377OL

Grade level 9–12. Two semesters.
Prerequisite: A grade of "C" or better in Algebra I and Geometry or consent of previous mathematics instructor and/or math department chairperson. The prerequisite for the second semester of Algebra II is the successful completion of the first semester or consent of instructor and/or math department chairperson.

This online course includes problem solving, data analysis, the use of technology (i.e., graphing calculator, computer), basic operations with polynomials, solving equations and inequalities, sequences and series, relations and functions, systems of equations in two and three variables, use of and operations on matrices, irrational and complex numbers through the solution of quadratic functions and polynomial functions of higher than first degree, use and evaluation of the Euler number, and an introduction to logarithms.

Advanced Algebra, Statistics, Trigonometry. H1660

Grade level 10–12. Two semesters.
Prerequisites: A grade of "C" or better in Algebra II or consent of previous math instructor or math department chairperson. The second semester prerequisite for this course is the successful completion of the first semester or consent of instructor or math dept. chairperson.

This course includes problem solving, data analysis, the use of technology (graphing calculator, computer), transformations of functions and data, power, exponential and logarithmic functions, trigonometric functions, graphs of circular functions,

probability and simulation, sequences, series and combinations, polynomial functions, binomial and normal distributions, matrices, and trigonometry.

Advanced Placement Statistics. H1701

Grade level 11–12. Two semesters.
Prerequisites: First semester enrollment requires a grade of "B" or better in Algebra II. The prerequisite for the second semester of AP Statistics is the successful completion ("C" or better) of the first semester or the consent of the instructor or math department chairperson.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful. The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be expected to be able to use appropriate technology to interpret data and will be expected to be able to communicate their results in an understandable form.

Advanced Placement Statistics Online H1701OL

Grade level 11–12. Two semesters.
Prerequisite: First semester enrollment requires a grade of "B" or better in Algebra II. The prerequisite for the second semester of AP Statistics is the successful completion ("C" or better) of the first semester or the consent of the instructor or math department chairperson.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful. The purpose of this online course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be expected to be able to use appropriate technology to interpret data and will be expected to be able to communicate their results in an understandable form.

Advanced Placement Calculus AB H1706

Grade level 11–12. Two semesters.
Prerequisite: "B" or better in Pre-Calculus and Algebra II or consent of the previous mathematics instructor or math department chairperson.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful.

This course includes the study of functions and graphs, derivatives and their application, analytic geometry, limits and continuity and includes the use of current technology.

Advanced Placement Calculus AB Online H1706OL

Grade level 11–12. Two semesters.
Prerequisite: "B" or better in Pre-Calculus and Algebra II or consent of the previous mathematics instructor or math department chairperson.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful. This online course includes the study of functions and graphs, derivatives and their application, analytic geometry, limits and continuity and includes the use of current technology.

Advanced Placement Calculus BC H1709

Grade level 11–12. Two semesters.
Prerequisite: "B" or better in AP Calculus AB; a 3 or higher on the AP Calc AB test; or consent of the Calculus BC instructor or math department chairperson.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful.

This course includes the study of functions and graphs, derivatives and their application, analytical geometry, limits and continuity, integrals, parametric equations, polar functions and vector analysis. Additional techniques and applications for differentiation and integration will be developed. Polynomial approximations will be explored through the Maclaurin and Taylor Series. Convergence and divergence of sequences and series will be investigated. Appropriate technology will be incorporated throughout the course.

AP Calculus BC Online. H1709OL

Grade level 11–12. Two semesters.
Prerequisite: "B" or better in AP Calculus AB; a 3 or higher on the AP Calc AB test; or consent of the Calculus BC instructor or math department chairperson.

As with other courses designated with Advanced Placement, this online course is introductory college level material. The student is expected to meet this college level workload to be successful. This course includes the study of functions and graphs, derivatives and their application, analytical geometry, limits and continuity, integrals, parametric equations, polar functions and vector analysis. Additional techniques and applications for differentiation and integration will be developed. Polynomial approximations will be explored through the Maclaurin and Taylor Series. Convergence and divergence of sequences and series will be investigated. Appropriate technology will be incorporated throughout the course.

Analyzing and Displaying Data H1680

Grade level 9–12. One semester.
Prerequisites: The student can NOT have received a "C" or better in Algebra II or any higher level math course.

In this course, the student will generate and use data sets to communicate information, to analyze and communicate the meaning of data sets and use statistical methods to test conjectures. Problem solving and technology (graphing calculator and computer) will be incorporated and probability will spiral throughout the course. Students will design and conduct a study, gather the data, analyze the results and make a presentation incorporating technology.

Bridge Math. H1172OL

Grade levels 9–12. Two semesters.
Prerequisite: Two years of algebra and one year of geometry.

Bridge Math is a fourth year math course focused on reinforcing core concepts from Algebra I, Geometry and Algebra II. Bridge Math is intended for students who need to review concepts before continuing their studies. It starts with a review

of algebraic concepts before moving on to a variety of key algebraic, geometric, statistical, and probability concepts. Course topics include rational and irrational numbers, systems of linear equations, quadratic functions, exponential functions, triangles, coordinate geometry, solid geometry, conditional probability, independence, data analysis, scatterplots, and linear and non-linear models of data.

Financial Mathematics H1025

Grade Level 10-12. One Semester.

This one semester class will integrate mathematics standards and the national standards for financial literacy. Topics include earning income, buying goods and services, using credit, saving money, financial investing, and insurance. Upon completion of this course, students will have strategies for life after high school, including finding a job, paying for rent, utilities, transportation, and food, and budgeting for unknown circumstances. Students will explore credit and interest as they relate to spending and saving money.

Financial Mathematics Online H1025OL

Grade levels 9–12. One semester.
Prerequisite: Introductory Algebra or equivalent. . . . . .

Financial Literacy helps students recognize and develop vital skills that connect life and career goals with personalized strategies and milestone-based action plans. Students explore concepts and work toward a mastery of personal finance skills, deepening their understanding of key ideas and extending their knowledge through a variety of problem-solving applications. Course topics include career planning; income, taxation, and budgeting; savings accounts, checking accounts, and electronic banking; interest, investments, and stocks; cash, debit, credit, and credit scores; insurance; and consumer advice on how to buy, rent, or lease a car or house.

Geometry H1502

Grade level 9–12. Two semesters.
Prerequisite: A grade of "C" or better in Algebra I or consent of previous mathematics instructor or math department chairperson. The prerequisite for the second semester of Geometry is the successful completion of the first semester or consent of instructor or math department chairperson.

This course covers the study of plane and three dimensional geometry with emphasis on clarity and precision of language as well as the logical development of geometric principles in deductive reasoning and proof. Additionally, students work with points, lines, planes, angles, congruent triangles, circles, polygons, and transformations.

To receive high school credit for this course being taken in Middle School, the student must earn a grade of C or better.

From Credit by Choice, revised 10/6/10.

Geometry Online H1502OL

Grade level 9–12. Two semesters.
Prerequisite: A grade of "C" or better in Algebra I or consent of previous mathematics instructor or math department chairperson. The prerequisite for the second semester of Geometry is the successful completion of the first semester or consent of instructor or math department chairperson.

This online course covers the study of plane and three dimensional geometry with emphasis on clarity and precision of language as well as the logical development of geometric principles in deductive reasoning and proof. Additionally, students work with points, lines, planes, angles, congruent triangles, circles, polygons and transformations.

Informal Geometry H1504

Grade level 10–12. Two semesters.
Prerequisites: Successful completion of Survey of Algebra or Algebra I (credit earned) and consent of previous mathematics instructor or math department chairperson. This course can NOT be taken by anyone who has earned credit for Geometry or any higher level math course. The prerequisite for the second semester of Informal Geometry is the successful completion of the first semester or consent of instructor or math department chairperson.

This course emphasizes concrete experiences and applications and an inductive/intuitive approach to develop geometric concepts. Priority is on proper vocabulary for the logical unraveling of developmental principles. Topics include classifications of, properties of, and relationships between geometric objects. These objects include points, lines, planes, angles, similar and congruent triangles, circles, polygons, and polyhedrons. Manual and computer-based measurement, transformations, and constructions of these objects is also included.

Integrated Math H1360

Grade 11–12. Two semesters.
Prerequisites: The student must have satisfied the Algebra requirement and passed a Geometry course or consent of the math department chairperson. The student can NOT have earned any credit for second semester Algebra II or any higher level math course.

This course will integrate Algebra 1 and Geometry topics and present them in the context of applications. It will also include probability, statistics, logical reasoning and discrete math. It is recommended for students with some algebra and geometry credit, who wish to strengthen and improve their math knowledge in these areas and apply it to career situations.

Integrated Math Online H1360OL

Grade levels 9–12. Two semesters.
Prerequisite: Introductory or Pre-Algebra. . . . . .

Mathematics I builds students' command of geometric knowledge and linear and exponential relationships. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include relationships between quantities; linear and exponential relationships; reasoning with equations; descriptive statistics; congruence, proof, and constructions; and connecting algebra and geometry through coordinates.

Liberal Arts Mathematics 1 . . . . . H1173OL

Grade levels 9–12. Two semesters.
Prerequisite: Introductory Algebra.

Liberal Arts Mathematics 1 addresses the need for an elective course that focuses on reinforcing, deepening, and extending a student's mathematical understanding. Liberal Arts Mathematics 1 starts with a review of problem-solving skills before moving on to a variety of key algebraic, geometric, and statistical concepts.

Throughout the course, students hone their computational skills and extend their knowledge through problem solving and real-world applications.

Liberal Arts Mathematics 2 . . . . . H1174OL

Grade levels 9–12. Two semesters.
Prerequisite: Liberal Arts Mathematics

Liberal Arts Mathematics 2 addresses the need for a course that meets graduation requirements and focuses on reinforcing, deepening, and extending a student's mathematical understanding. Liberal Arts Mathematics 2 starts with a review of algebraic concepts before moving on to a variety of key algebraic, geometric, statistical and probability concepts. Throughout the course, students hone their computational skills and extend their knowledge through problem solving and real-world applications.

Math 9–12 AC 1 . . . . . .H1170LS1

Grade level 9–12. Two semesters.
Prerequisite: IEP.

This course covers addition, subtraction, multiplication and division of whole numbers, fractions and decimals, estimation, percents, solution of word problems and calculator applications that apply to everyday living skills. This is an alternate math curriculum for students enrolled in a Life Skills 1 class who are non-diploma track on Alternate Assessment as required by their IEP. This course is repeatable.

Math 9–12 AC 2 . . . . . .H1170LS2

Grade level 9–12. Two semesters.
Prerequisite: IEP.

This course covers addition, subtraction, multiplication and division of whole numbers, fractions and decimals, estimation, percents, solution of word problems and calculator applications that apply to everyday living skills. This is an alternate curriculum for students enrolled in a Life Skills 2 class who are non-diploma track on Alternate Assessment as required by their IEP. This course is repeatable.

Mathematics of Personal Finance. H1024OL

Grade levels 9–12. Two semesters.
Prerequisite: Algebra I and Geometry or their equivalents.

Mathematics of Personal Finance focuses on real-world financial literacy, personal finance, and business subjects. Students apply what they learned in Algebra I and Geometry to topics including personal income, taxes, checking and savings accounts, credit, loans and payments, car leasing and purchasing, home mortgages, stocks, insurance, and retirement planning. Students then extend their investigations using more advanced mathematics, such as systems of equations (when studying cost and profit issues) and exponential functions (when calculating interest problems). To assist students for whom language presents a barrier to learning or who are not reading at grade level, Mathematics of Personal Finance includes audio resources in both Spanish and English.

Pre-Calculus with Trigonometry H1662

Grade level 10–12. Two semesters.
Prerequisites: A grade of "B" or better in Geometry and Algebra II or permission of previous mathematics instructor or math department chairperson. The prerequisite for the second semester of Pre-Calculus with Trig is the successful completion of the first semester or consent of instructor or math department chairperson.

This course covers logarithmic and exponential functions, analytic geometry, introduction to limits and the derivative, sequences and series, circular and trigonometric functions, graphs, laws, identities, inverses and their applications, vectors and complex numbers. The emphasis of this course is on the concepts that build toward understanding calculus. It follows an applications approach and uses graphing calculators and other appropriate technology.

Pre-Calculus with Trigonometry Online H1662OL

Grade level 10–12. Two Semesters.
Prerequisite: A grade of "B" or better in Geometry and Algebra II or permission of previous mathematics instructor or math department chairperson. The prerequisite for the second semester of Pre-Calculus with Trig is the successful completion of the first semester or consent of instructor or math department chairperson.

This online course covers logarithmic and exponential functions, analytic geometry, introduction to limits and the derivative, sequences and series, circular and trigonometric functions, graphs, laws, identities, inverses and their applications, vectors and complex numbers. The emphasis of this course is on the concepts that build toward understanding calculus. It follows an applications approach and uses graphing calculators and other appropriate technology.

Probability and Statistics. H1663OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Probability and Statistics provides a curriculum focused on understanding key data analysis and probabilistic concepts, calculations, and relevance to real-world applications. Students are challenged to work toward mastery of computational skills, apply calculators and other technology in data analysis, deepen their understanding of key ideas and solution strategies, and extend their knowledge through a variety of problem-solving applications. Course topics include types of data, common methods used to collect data, and representations of data, including histograms, bar graphs, box plots, and scatterplots.

Survey of Algebra H1326

Grade level 9–12. Two semesters.
Prerequisite: This course can NOT be taken by a student who has successfully completed Algebra I or any higher level math course. The prerequisite for second semester of Survey of Algebra is the successful completion (grade of "C" or better) of the first semester or consent of the math department chairperson.

This course provides an introduction to uses and applications of algebraic concepts including the solution of linear equation, inequalities and formulas, graphing linear equations and inequalities and the solution of word problems. This course is designed for the student who will need to apply algebraic concepts in vocational/career areas, vocational courses, and/or King Tech High courses.

Survey of Algebra Online. H1326OL

Grade levels 9–12. Two semesters.
Prerequisite: None

This course provides a curriculum focused on foundational concepts that prepare students for success in Algebra I. Through

a "DiscoveryConfirmationPractice"based exploration of basic concepts, students are challenged to work toward a mastery of computational skills, to deepen their understanding of key ideas and solution strategies, and to extend their knowledge through a variety of problemsolving applications. Course topics include integers; the language of algebra; solving equations with addition, subtraction, multiplication, and division; fractions and decimals; measurement; exponents; solving equations with roots and powers; multistep equations; and linear equations.

PHYSICAL EDUCATION/ HEALTH

Adventure 101 . . . . . H6306

Grade level 9–12 Semester
Prerequisite: None
Repeatable unlimited times.

Students enrolled in this course will have the opportunity to receive instruction in the technical skills of indoor rock climbing, challenge courses, belaying and knot tying. In addition, students will be able to develop the concepts of challenge-by-choice, cooperation vs. competition, circle-of-comfort, trust, critical thinking, problem solving and responsibility. In order to successfully attempt the physical challenges of the course, students will be expected to maintain a proficient level of physical fitness. The class will include opportunities to develop agility, muscular and cardiovascular strength, endurance and flexibility.

Basketball H6309

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.
Repeatable unlimited times.

The purpose of this course is to introduce students to the basic skills and knowledge associated with basketball. By applying these principles through active participation, students develop the necessary skills and knowledge to play basketball. In addition, this course provides students with opportunities to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills. Students will gain an understanding of how a wellness lifestyle affects one's health, fitness and physical performance.

Cross-Training H6760

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.
Repeatable unlimited times.

This course is designed to introduce students to cross-training. Cross-training utilizes a variety of activities which involve varying muscles, intensity and impact on different days. Students will participate in at least two different aerobic activities and at least one strength training and/or muscular endurance activity weekly which utilizes body core stability. Students will acquire knowledge needed to develop a lifetime fitness plan, as well as an appreciation of how it feels to be physically fit.

Dance—Introductory H6650

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.
Repeatable unlimited times.

This course is designed as an introduction to movement, dance elements and the creative aspects of dance. Students explore various styles of dance through a unit approach and collaborate on a variety of student choreography projects. The development of muscular strength, flexibility, agility, balance, body alignment and an understanding of rhythm are approached through combined warm-up and dance technique segments. In addition, students study health-related fitness concepts and basic nutrition principles as they relate to dance.

Dance—Intermediate H6652

Grade level 9–12. Quarter/Semester.
Prerequisite: Dance—Introductory. Lifetime Activity Course.
Repeatable unlimited times.

Intermediate dance enhances the skills and concepts introduced in Introductory Dance. Students are challenged to improve their existing dance skills in various styles of dance including jazz, ballet, modern and improvisational dance. Warm-up exercises continue to promote muscular strength, flexibility, agility and balance while placing greater emphasis on correct body alignment and dance technique. Students often work with guest artists in addition to creating and performing their own choreography. Students continue their study of health-related fitness concepts and basic nutrition principles as they relate to dance.

Dance—Multicultural H6653

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.
Repeatable unlimited times.

This course allows students to explore and share their cultural backgrounds as they are introduced to the traditional dances of many lands. The development of strength, flexibility, agility, balance, body alignment and an understanding of rhythm are approached through combined warm-up and dance technique segments. Community resource people and guest artists are utilized frequently to enhance understanding of the cultural significance of various dances. In addition, students study health-related fitness concepts and basic nutrition principles as they relate to dance.

Dance—Contemporary Dance, Repertory H6651

Grade level 9–12. Quarter/Semester.
Prerequisite: Audition or Instructor Approval. Lifetime Activity Course.
Repeatable unlimited times.

This course is open to students who have mastered basic dance skills and have an interest in dance performance. Students will learn more difficult dance techniques and choreography with performance as a focus. In addition to experimenting with their own choreography, students will work with a variety of guest artists to create a performance repertory which includes various dance styles. The culmination of this course will be a full-length dance concert. Students will be involved in all phases of concert production. Numerous rehearsals and performances outside of class time are part of course work and are required.

Dance Production H6649S

Grade level 9–12. Two semesters.
Prerequisite: Director's approval.

Repeatable up to 8 times.

In this course students will be introduced to the study of Dance Production which involves all aspects of producing a performance. It includes learning about and performing the duties of the positions in a professional dance company when creating a performance. These positions include: choreographer, dancer, costume and property designer/constructor, marketer, music creator/editor, and photographer/videographer. The class is project oriented and will include course work outside of class time. Student rehearsals will also occur outside class time.

First Aid H6007

Grade level 9–12. One semester.
Prerequisite: None. Lifetime Activity Course. Not repeatable for students who received passing grade.

This course is designed to prepare students to assist themselves and others, in case of injury or sudden illness, when medical and hospital services are limited or delayed. Emphasis will also be placed on safety awareness in the home, school, community and on the streets and highways. The new Red Cross certification will be given to those students who complete the requirements of this course.

Fitness Basics H6750

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.
Repeatable unlimited times.

The course is designed to introduce students to all aspects of low impact and basic fitness concepts and activities. The primary class activities will include a variety of health-related fitness activities such as yoga, Pilates and use of pedometers that are appropriate for the participants' level of fitness. Course content will include laboratory sessions based on nutritional and fitness concepts, fitness assessment, motivation and self-esteem. In addition to setting and working toward personal fitness goals, students will have opportunities to practice positive social skills as they gain an understanding of how a wellness lifestyle affects the quality of life.

Flag Football H6360

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.
Repeatable unlimited times.

The purpose of this course is to introduce students to the basic skills and knowledge associated with flag football. By applying these principles through active participation, students develop the necessary skills and knowledge to play flag football. In addition, this course provides students with opportunities to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills. Students will gain an understanding of how a wellness lifestyle affects one's health, fitness and physical performance.

Healthy Life Skills 9–12 . . . . . H6052SP

Grade level 9–12. One semester.
Prerequisite: IEP. Lifetime Activity Course.

This course is designed to help students develop healthy habits and positive behavior patterns. Students are provided with the knowledge of skills that lead to responsible decision making for a safe and healthy lifestyle. Topics covered includes nutrition, fitness, substance abuse, sexuality education and stress management. Modified curriculum for Healthy Life Skills, as required by students' IEP.

Health 9–12 AC 1 . . . . . H6002LS1

Grade level 9–12. One semester.
Prerequisite: IEP. Lifetime Activity Course.
Repeatable unlimited times.

This course is designed to help students develop healthy habits and positive behavior patterns. Students are provided with the knowledge of skills that lead to responsible decision making for a safe and healthy lifestyle. Topics covered includes nutrition, fitness, substance abuse, sexuality education and independent living skills. Alternate curriculum will be used for students enrolled in a Life Skills 1 class as required by their IEP.

Health 9–12 AC 2 . . . . . H6002LS2

Grade level 9–12. One semester.
Prerequisite: IEP. Lifetime Activity Course.
Repeatable unlimited times.

This course is designed to help students develop healthy habits and positive behavior patterns. Students are provided with the knowledge of skills that lead to responsible decision making for a safe and healthy lifestyle. Topics covered includes nutrition, fitness, substance abuse, sexuality education and independent living skills. Alternate curriculum for students enrolled in a Life Skills 2 class as required by their IEP.

Health Opportunities through Physical Education (HOPE) Online H6110OL

Grade level 9-12. One semester.
Prerequisite: None. Lifetime Activity Course.
Not repeatable for students who received a passing grade.

This online course will challenge students to become educated consumers, learn to manage stress, choose nutritious foods, make healthy lifestyle choices, be an effective member of a team and influence others in their community in a positive way. Students will have the opportunity to experience the many benefits of regular physical activity, proper nutrition, and sound decision-making. Topics covered include wellness, mental health, media literacy/consumer health, fitness components, nutrition, disease prevention, drug awareness, sexuality education, CPR, and decision-making skills.

Healthy Relationships/Sexuality Education H6770

Grade level 11–12 Semester
Prerequisite: Parent Permission Required
Not repeatable for students who received a passing grade.

This course provides information about relationships and sexuality, examines various attitudes and influences on relationships and sexuality, helps students build interpersonal and relationship skills and teaches responsibility for health and healthy decision-making.

Individual Recreational Activities H6666

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.
Not repeatable.

This course will offer students a variety of recreational activities in which they can participate on an individual basis and learn

skills applicable for a lifetime. Activities may include, but are not limited to, in-line skating, cross-country skiing, snowshoeing, frisbee, power walking, ice skating, jogging, orienteering and biking. Safety equipment as well as equipment appropriate for each activity will be required and must be furnished by each student.

Individual Recreational Activities Online H6666OL

Grade level 9–12. One semester.
Prerequisite: None. Lifetime Activity Course.
Not repeatable.

This online course will offer students a variety of recreational activities in which they can participate on an individual basis and learn skills applicable for a lifetime. Activities may include, but are not limited to, in-line skating, cross-country skiing, snowshoeing, frisbee, power walking, ice skating, jogging, orienteering and biking. Safety equipment as well as equipment appropriate for each activity will be required and must be furnished by each student.

Lifetime Personal Fitness H6380

Grade level 9–12. One semester.
Prerequisite: None.
Repeatable unlimited times.

The purpose of this course is to promote the development and maintenance of personal fitness. It is conceptually based and focuses on healthy living and lifestyle choices, with particular emphasis on the role of exercise and physical activity including nontraditional and noncompetitive activities. Course content includes fitness assessment, regular physical activity, laboratory sessions based on fitness concepts and lectures based on the value and benefits of exercise in daily living. In addition to setting and working toward personal fitness goals, students have opportunities to practice positive social skills as they gain an understanding of how a wellness lifestyle affects the quality of life.

Lifetime Personal Fitness Online H6380OL

Grade level 9–12. One semester.
Prerequisite: None.
Not repeatable.

The purpose of this online course is to promote the development and maintenance of personal fitness. It is conceptually based and focuses on healthy living and lifestyle choices, with particular emphasis on the role of exercise and physical activity including nontraditional and noncompetitive activities. Course content includes fitness assessment, regular physical activity, and fitness concepts and lectures based on the value and benefits of exercise in daily living. In addition to setting and working toward personal fitness goals, students have opportunities to practice positive social skills as they gain an understanding of how a wellness lifestyle affects the quality of life.

Lifetime Personal Fitness 9–12 AC H6380DE

Grade level 9–12. One semester.
Prerequisite: IEP

The purpose of this course is to promote the development and maintenance of personal fitness. This course focuses on healthy living and lifestyle choices, with particular emphasis on the role of exercise and physical activity including nontraditional and noncompetitive activities. Course content includes fitness assessment, regular physical activity, laboratory sessions based on fitness concepts and lectures based on the value and benefits of exercise in daily living. In addition to setting and working toward personal fitness goals, students have opportunities to practice positive social skills as they gain an understanding of how a wellness lifestyle affects the quality of life. Alternate curriculum for students enrolled is Life Skills as required by their IEP.

Native Games H6657

Grade Level 9-12. One Semester
Prerequisite: None
Repeatable unlimited times

The purpose of this course is to promote the cultural tradition of Alaska Native Youth Olympic events as well as other Indigenous games. In addition to participation in a variety of Indigenous game activities, this course provides students with opportunities to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills. Students will gain an understanding of how a wellness lifestyle affects one's health, fitness and physical performance.

Peer Tutor/Fitness Special Populations H6305

Grade level 9–12. One semester.
Prerequisite: Approval of APE specialist on site. Lifetime Activity Course.

This course is designed to provide students with an opportunity to acquire experience with persons with disabilities within the exercise arena. Students in this course will facilitate the inclusion of students with disabilities in physical education classes. This course will include an orientation and structure for peer tutoring.

Physical Education 9–12 . . . . . H6304SP

Grade level 9–12. One semester.
Prerequisite: IEP.
Repeatable unlimited times.

This is a year-long course divided into four quarter classes. The courses will include a team activity, individual/dual activity, aquatics and weight training. The course descriptions for each class will be the same as listed for each individual course. Modified curriculum for Physical Education, as required by students' IEP.

Physical Education 9–12 AC 1. . . . . H6304LS1

Grade level 9–12. One semester.
Prerequisite: IEP.
Repeatable unlimited times.

This is a year-long course divided into four quarter classes. The courses will include a team activity, individual/dual activity, aquatics and weight training. The course descriptions for each class will be the same as listed for each individual course. Alternate curriculum for students enrolled in a Life Skills 1 as required by students' IEP.

Physical Education 9–12 AC 2. . . . . H6304LS2

Grade level 9–12. One semester.
Prerequisite: IEP.
Repeatable unlimited times.

This is a year-long course divided into four quarter classes. The courses will include a team activity, individual/dual activity, aquatics and weight training. The course descriptions for

each class will be the same as listed for each individual course. Alternate curriculum for students enrolled in a Life Skills 2 class as required by students' IEP.

Pursuing Wellness H6052

Grade level 10–12. One semester.
Prerequisite: None. Lifetime Activity Course. Not repeatable for students who received passing grade.

This course is designed to help students develop healthy habits and positive behavior patterns. Students are provided with the knowledge of skills that lead to responsible decision making for a safe and healthy lifestyle. Topics covered include nutrition, fitness, substance abuse prevention, sexuality education, and social and emotional health.

Racquet Sports H6734

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.
Repeatable unlimited times.

The purpose of this course is to introduce students to the basic skills and knowledge associated with playing a variety of racquet sports such as tennis, badminton, table tennis, handball, pickle ball, etc. The ultimate goal of this class is to provide the students with the knowledge and skills necessary for them to pursue playing racquet sports as a life-long activity. This course will provide students with opportunities to develop a satisfactory individual level of physical fitness, acquire knowledge of fitness concepts and demonstrate an understanding of how a wellness lifestyle affects one's health, fitness and physical performance. This course will provide an environment for all students to practice positive personal and social skills.

Recreational Games H6665

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.
Repeatable unlimited times.

The purpose of this course is to offer a variety of activities to the student who enjoys the fun of games. The games will be recreational in nature. These activities may include: speedball, ultimate frisbee, floor hockey and non-contact lacrosse. Each activity will be a maximum of two weeks in length. In addition, this course will provide opportunities to improve physical fitness, acquire knowledge of fitness concepts, practice positive personal and social skills and gain an understanding of how a wellness lifestyle affects one's health, fitness and physical performance.

Soccer H6389

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.
Repeatable unlimited times.

The purpose of this course is to introduce students to basic skills and knowledge associated with soccer. By applying these principles through active participation, students develop the necessary skills and knowledge to play soccer. In addition, this course provides students with opportunities to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills. Students will gain an understanding of how a wellness lifestyle affects one's health, fitness and physical performance.

Softball H6410

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.
Repeatable unlimited times.

The purpose of this course is to introduce students to basic skills and knowledge associated with softball. By applying these principles through active participation, students develop the necessary skills and knowledge to play softball. In addition, this course provides students with opportunities to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills. Students will gain an understanding of how a wellness lifestyle affects one's health, fitness and physical performance.

Team Sports H6021

Grade level: 9-12. Semester.
Prerequisite: None. Team activity.
Repeatable unlimited times.

The purpose of this course is to offer a variety of team sports to the student who enjoys goal setting, decision making, interacting with others directly and simultaneously to achieve an objective. These sports may include: basketball, volleyball, soccer, flag football and softball. Each sport will be a maximum of two weeks in length. In addition, this course will provide opportunities to improve physical fitness, acquire knowledge of fitness concepts, practice positive personal and social skills and gain an understanding of how a wellness lifestyle affects one's health, fitness and physical performance.

Volleyball H6440

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Team activity.
Repeatable unlimited times.

The purpose of this course is to introduce students to basic skills and knowledge associated with volleyball. By applying these principles through active participation, students develop the necessary skills and knowledge to play volleyball. In addition, this course provides students with opportunities to improve physical fitness, acquire knowledge of fitness concepts and practice positive personal and social skills. Students will gain an understanding of how a wellness lifestyle affects one's health, fitness and physical performance.

Weight Training—Basic H6450

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.
Repeatable unlimited times.

The purpose of this course is to promote the development of muscular strength and endurance and to enjoy the benefits of regular physical activity. Students learn to identify the major muscle groups and how to increase the performance of each through weight lifting and how to stabilize the body core. The discussion and practice of weight lifting techniques and principles guides students toward the eventual implementation of a personal fitness program. The primary class activity involves regular conditioning exercises supported by lecture and discussion.

Weight Training—Advanced H6451

Grade level 9–12. Quarter/Semester.

Prerequisite: Weight Training—Basic. Lifetime Activity Course.
Repeatable unlimited times.

This course is designed to build on the concepts introduced in basic weight training. Students are challenged to improve their existing level of fitness. Students will design and implement a safe and effective personal strength program. Students continue their study of health-related fitness concepts and basic nutrition principles as they relate to weight training.

Wilderness Recreation H6740

Grade level 9–12. Quarter/Semester.
Prerequisite: None. Lifetime Activity Course.
Repeatable unlimited times.

The purpose of this course is to introduce students to basic skills and knowledge associated with orienteering, hiking, camping, rock climbing, biking, skating, snowshoeing, cross-country skiing, canoeing, water safety and/or survival. Through active participation, the student will have the necessary skills and knowledge to pursue a variety of lifetime outdoor recreational activities. The course will provide students the opportunity to increase their individual level of physical fitness, acquire knowledge of fitness concepts and demonstrate an understanding of how a wellness lifestyle affects one's health, fitness and physical performance. Students will have the opportunity to practice positive personal and social skills, as many of the activities involve cooperation and willingness to take physical challenges.

Yoga H6761

Grade level 9–12. One semester.
Prerequisite: None
Repeatable unlimited times.

Students will practice Hatha Yoga focusing on yoga for strength, flexibility, and relaxation. The class will also cover techniques for increasing concentration and decreasing anxiety which leas to stronger academic performance. Breathing exercises and healthy fitness activities will also be taught.

SCIENCE

Advanced Placement Environmental Science H2286

Grade level 11 – 12. Two semesters. Life science or physical science.
Prerequisites: Biology and Chemistry.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful.

This course is an interdisciplinary course that provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

Advanced Placement Environmental Science Online H2286OL

Grade level 10–12. Two semesters.
Prerequisite: Two years of high school laboratory science (one year of life science and one year of physical science), and one year of algebra.

AP Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. Topics explored include natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living systems; populations; communities; ecosystems; ecological pyramids; renewable and nonrenewable resources; land use; biodiversity; pollution; conservation; sustainability; and human impacts on the environment. The equivalent of an introductory college-level science course, AP Environmental Science prepares students for the AP exam and for further study in science, health sciences, or engineering

Astronomy Online H2620OL

Grade level 10–12. Two semesters. Physical science.
Prerequisite: None.

This online course is designed to build a coherent understanding of the earth-space relationship. Emphasis will be towards the development of astronomical concepts such as planetary motion, structure of galaxies and various theories of the formation of the universe. Course includes the use of various astronomical instruments.

Astronomy: Solar System H2621

Grade level 9–12. One semester. Physical science.
Prerequisite: None.

Students investigate the development of astronomy from the ideas of the ancients to the modern technological exploration of our solar system. The course focuses on the origin, dynamics and physical characteristics of members of the solar system (sun, planets, satellites, meteoroids, asteroids and comets). Through a study of planetary geology, students will gain an appreciation for the interdisciplinary nature of astronomy. Class activities will include planetarium observations, as well as laboratory experiences based on data provided by NASA, Harvard Smithsonian Micro-Observatory and other astronomy-based facilities.

Astronomy: Universe H2622

Grade level 9–12. One semester. Physical science.
Prerequisite: None.

Students investigate astronomy from the stellar and galactic view. They begin with the physical properties of stars and stellar evolution (how an astronomer infers a star's origin and eventual demise.) They progress to studies of galaxies, using the Milky Way as the standard for comparison. The universe on a grand scale then becomes the topic for analysis for discussions on clusters of galaxies and cosmology (the origin and evolution of the universe). The planetarium, Micro-Observatory Net and Mt. Wilson 24" Schmidt will aid laboratory studies, as well as information from many other NASA sights including the Hubble Telescope.

Unmanned Aviation Science H8391

Grade level 9–12. Two Semesters. Physical Science.
Prerequisite: None.

Develop knowledge and understanding of FAA regulations, airspace, map orienteering, physics of flight, flight safety and basics, basic flight maneuvers both GPS assisted and non-GPS assisted, advanced UAS flight maneuvers, basic UAS construction, wiring, and programming. Earn certification in DJI Phantom series and Inspire series and complete preparation for commercial licensing through the FAA Part 107 UAS commercial licensing regulations

Biology I H2232

Grade level 9–12. Two semesters. Life science.
Prerequisite: Grade 10–12: none. Grade 9: 3.5 GPA in 8th grade core subjects, Algebra I and teacher recommendation.

Biology 1 is the foundational course for all biology elective courses. This course includes scientific inquiry, ecology, the chemical basis of life, cellular form and function, genetics, evolution, classification, and body systems.

Biology I Online H2232OL

Grade level 9–12. Two semesters. Life science.
Prerequisite: Grade 10–12: none. Grade 9: 3.5 GPA in 8th grade core subjects, Algebra I and teacher recommendation.

The basic biology course and prerequisite for all biology electives. This online course will include a study of the chemical basis of life such as the cellular processes of respiration, photosynthesis, diffusion and osmosis. Cell division, DNA and enzyme action will also be covered. The course also includes an extensive treatment of introductory botany, zoology, ecology and genetics.

Biology II H2242

Grade level 11–12. Two semesters. Life science.
Prerequisite: Biology I and Chemistry I.

This course continues the topics introduced in first year biology. Special emphasis is placed on anatomy and physiology, genetics, evolution and ecology. The human's biological evolution and impact on other biological systems is examined. Course is structured so the student has more time for independent study using classroom, library and community facilities. Educational opportunities as a research assistant.

Biotech Online H2260OL

Grade level 9-12. Two Semesters. Life science.
Prerequisite: None.

Biotechnology is a cutting-edge, high-demand field that encompasses everything from plant and animal breeding to genetics. Discover how biotechnology has changed the world around us, from food to genetics. Explore historical applications with modern discoveries. Understand how regulations and ethics govern the course of biotechnology and learn of its importance to the field of medicine.

Biotechnology 1 . . . . . H2260

Grade level: 10- 12. Two semesters. Life science.
Prerequisite: Biology 1 (with C or higher).

This is a year-long, lab-based class that introduces students to biotechnology for the 21st century, highlighting the revolution in biology. This class is designed to prepare students for post secondary options in Biotechnology. Fundamental lab skills training will be the focus of this class. Students will be introduced to the foundations of biotechnology; conceptual understanding of benetic engineering; bioremediation (BP); bioterror and biodefence (military); medicine; immunology; pharmaceutical applications; bioethics and careers in biotechnology. The role of genetically modified organisms will be examined from an ecological perspective. This course will also be supported by local and national scientists in the field of biotechnology.

Advanced Placement Biology H2244

Grade level 11–12. Two semesters. Life science.
Prerequisite: Biology I and Chemistry I.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful.

The AP Biology course is designed to be the equivalent of a college introductory biology course. Topics include molecules, cells, genetics, evolution, organisms, and populations.

Advanced Placement Biology Online H2244OL

Grade level 10–12. Two semesters.
Prerequisite: Biology.

AP Biology builds students' understanding of biology on both the micro and macro scales. After studying cell biology, students move on to understand how evolution drives the diversity and unity of life. Students will examine how living systems store, retrieve, transmit, and respond to information and how organisms utilize free energy. The equivalent of an introductory college-level biology course, AP Biology prepares students for the AP exam and for further study in science, health sciences, or engineering.

Biology, Alaska H2220

Grade level 10–12. One semester. Life science.
Prerequisite: Biology I. Not open to students with credit in Natural Science of Alaska.

Course will consist of an examination of plants and animals found throughout Alaska. Field work will be required as well as the study of materials from state and federal agencies. Topics considered will include habitat, behavior, game management, the general classification of common plants and animals and their food value to humans.

Marine Biology H2305

Grade level 10–12. One semester. Life science.
Prerequisite: Biology I.

Study of marine life found on shores, in bays, estuaries, intertidal zones and in ocean depths. The commercial and environmental importance of various forms of marine life will also be examined.

Marine Biology Online H2305OL

Grade level 10–12. One semester. Life science.
Prerequisite: Biology I.

This online course is a study of marine life found on shores, in bays, estuaries, intertidal zones and in ocean depths. The commercial and environmental importance of various forms of marine life will also be examined.

Oceanography H2306

Grade level 10–12. One semester. Physical science.
Prerequisite: Biology I.

Students in the course will study the physical aspects and interactions with the atmosphere-ocean interface including geology, chemistry, physics, meteorology and pollution of oceans. Included will be the study of the effects of geology, geochemistry, geography and physical forces on marine organisms.

Micro Biology H2320

Grade level 10–12. One semester. Life science.
Prerequisite: Biology I.

Course deals with the techniques of growing and identifying micro-organisms and general microtechnique. Beneficial and harmless organisms will be grown and discussed. Bacterial counts and studies will be done of many areas in the school and community.

Botany H2270

Grade level 10–12. One semester. Life science.
Prerequisite: Biology I.

Botany is a one semester course exploring the relationships, classification and development of plants from algae to the flowering plants. Included will be study of the structure and function of roots, stems, leaves and plant life cycles. The basic functions of hormones and their relation to plant growth are included. Students will grow their own plants and also receive an introduction to the field of horticulture.

Conceptual Chemistry H2411

Grade level 10–12. Two semesters. Physical science.
Prerequisite: None.

Provides an opportunity for the student interested in areas other than science to study the basic concepts in chemistry as they relate to home and life. Chemical concepts will be used to explain many of the processes we observe in our daily lives. While examining these concepts, the student will develop skills in the laboratory and in problem solving.

Chemistry I H2421

Grade level 10–12. Two semesters. Physical science.
Prerequisite: Algebra I.

A beginning course that will include a study of the following concepts: atomic structure, mole concept, chemical periodicity, writing formulas and equations, nomenclature of compounds, chemical bonding, use of symbols, valence, physical and chemical properties, elements, mixtures and compounds, kinetic molecular theory of solids, liquid and gases.

The second semester will include the additional major concepts: oxidation, reduction, reaction rates, chemical equilibrium, acids, bases, pH, ionization, stoichiometry, heat of reactions, gas laws, molar concentrations, solutions and solubilities.

Laboratory skills will include: measure mass and volumes, measure temperature, measure melting point and boiling point, filtering and decanting, graphing, interpretation of data, observation, description, recording, measuring pH, titration, pressure of gases, calorimetry and preparation of solutions.

Chemistry Online H2421OL

Grade level 10–12. Two semesters.
Prerequisite: Middle school/junior high Physical Science, and one year of Algebra.

Chemistry offers a curriculum that emphasizes students' understanding of fundamental chemistry concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology.

Chemistry II H2432

Grade level 11–12. Two semesters. Physical science.
Prerequisite: Chemistry I.

Particularly useful for those students interested in science. This course will prove especially helpful for those students whose collegiate interests lie in chemistry, biology, molecular biology, medicine or related fields.

A two-semester program enhancing topics covered in general chemistry. Areas of emphasis include chemical bonding, molecular geometry, kinetic-molecular theory, phase diagrams, changes of state, acid-base theories, oxidation-reduction and stoichiometry, equilibrium, reaction kinetics and introduction to organic chemistry which will include basic nomenclature and synthesis.

Chemistry in the Earth System Online H2422OL

Grade level 10–12. Two semesters.
Prerequisite: Middle school/junior high Physical Science, and one year of Algebra.

Chemistry in the Earth System integrates chemistry with biology and Earth science. Throughout the course, students apply fundamental chemistry concepts to better understand how matter and energy interact in the natural and designed world, how human activities impact Earth's systems, and how science can be used to develop new technologies and engineering solutions.

Advanced Placement Chemistry H2434

Grade level 11–12. Two semesters. Physical science.
Prerequisite: Chemistry I, Algebra II.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful.

This is a college level chemistry course which deals with advanced concepts in chemistry. Laboratory work and chemical problem-solving make up an integral part of the course. Topics covered in AP Chemistry will enhance those covered in Chemistry II with increased laboratory experiences and college level student expectations.

Advanced Placement Chemistry Online H2434OL

Grade level 10–12. Two semesters.
Prerequisite: Chemistry.

AP Chemistry builds students' understanding of the nature and reactivity of matter. After studying chemical reactions and electrochemistry, students move on to understand how the chemical and physical properties of materials can be explained by the structure and arrangements of the molecules and the forces between those molecules. Students will examine the laws of thermodynamics, molecular collisions, and the reorganization of matter in order to understand how changes in matter take place. Finally, students will explore chemical equilibria, including acid-base equilibria. The equivalent of an introductory college-level chemistry course, AP Chemistry prepares students for the AP exam and for further study in science, health sciences, or engineering

Earth and Space Science H2040

Grade level 9. One semester. Physical science
Prerequisite: None.

This course covers the foundational knowledge of earth and space science. Topics covered include: formation of the universe, stars, Earth's history and the geologic time scale, theory of and evidence for plate tectonics, earthquakes, seismic waves and measuring earthquake magnitudes, volcano types and features, minerals and rocks, ocean layers, currents and circulation, history of earth's climate and global climate change.

Earth and Space Online H2040OL

Grade level 10–12. One semester. Physical science.
Prerequisite: None.

This online course is a survey of the various branches of sciences concerning the earth. The student has the opportunity to explore a wide variety of topics such as oceanography, historical geology, rock and mineral identification, astronomy, physical geology, meteorology, composition and formation of the formations of the early and various geological processes of change. This course is not open to students who have successfully completed Geology I.

Ecology H2280

Grade level 10–12. One semester. Life science.
Prerequisite: Biology I.

A study of the interrelationships of the living and nonliving environment. Topics will include habitat, population dynamics, food webs, random sampling techniques, geochemical cycling and limiting factors. The human effect on the ecosystem will also be discussed and emphasized. Ecosystems and biomes of Alaska will be stressed.

Environmental Science A. H2086

Grade level 10–12. One semester. Life science.
Prerequisite: None.

Students in this course explore ecological systems and the ways in which human systems affect and are a affected by environmental systems. Students approach environmental issues by understanding ecological components and human perspectives. Students address bias and misunderstandings to develop their own opinions about environmental issues. This is a lab and field based course where students apply their learning to local issues.

Environmental Science A. H2086OL

Grade level 10–12. One semester. Life Science.
Prerequisite: None.

Environmental Science explores the biological, physical, and sociological principles related to the environment in which organisms live on Earth, the biosphere. Course topics include natural systems on Earth, biogeochemical cycles, the nature of matter and energy, the flow of matter and energy through living systems, populations, communities, ecosystems, ecological pyramids, renewable and non-renewable natural resources, land use, biodiversity, pollution, conservation, sustainability, and human impacts on the environment.

Environmental Science B. H2087

Grade level 10–12. One semester. Physical Science.
Perquisite: None

Students in this course explore environmental systems through physical science. The course focuses on climate change, natural resources, pollution and energy and uses all fields of sciences to help students form educated opinions and solutions based on evidence about current and future environmental problems facing society.

Environmental Science B. H2087OL

Grade level 10–12. One semester.
Prerequisite: None.

Environmental Science explores the biological, physical, and sociological principles related to the environment in which organisms live on Earth, the biosphere. Course topics include natural systems on Earth, biogeochemical cycles, the nature of matter and energy, the flow of matter and energy through living systems, populations, communities, ecosystems, ecological pyramids, renewable and non-renewable natural resources, land use, biodiversity, pollution, conservation, sustainability, and human impacts on the environment.

Forensic Science I H2560

Grade level 10–12. One semester. Life or physical science.
Prerequisite: Biology I required, Chemistry I recommended.

This course focuses various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include structures and functions of the human body, processing a crime scene, physical evidence, questioned documents, serology and pathology. In addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures. Laboratory work and projects will be an integral part of this course.

Forensic Science I Online H2560OL

Grade level 10–12. One semester. Life or physical science.
Prerequisite: Biology I required, Chemistry I recommended.

This online course focuses on various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include structures and functions of the human body, processing a crime scene, physical evidence, questioned documents, serology and pathology. In addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures.

Forensic Science II H2570

Grade level 10–12. One semester. Life or physical science.
Prerequisite: Biology I required, Chemistry I recommended.

This course follows Forensic Science I. It focuses on various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include DNA analysis, textiles, trace evidence, firearms, tool marks and arson investigation. In addition, the course may cover selected

topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures. Laboratory work and projects will be an integral part of this course.

Forensic Science II Online H2570OL

Grade level 10–12. One semester. Life or physical science.
Prerequisite: Biology I required, Chemistry I recommended.

This online course follows Forensic Science I. It focuses on various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include DNA analysis, textiles, trace evidence, firearms, tool marks and arson investigation. In addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures.

Genetics H2290

Grade level 10–12. One semester. Life science.
Prerequisite: Biology I.

A basic study of heredity among living organisms. Topics also will include adaptations to the environment and the process of natural selection and evolution. Special emphasis will be placed on human genetic factors and fruit fly genetics.

Geology I H2641

Grade level 9–12. Two semesters. Physical science.
Prerequisite: Grade 10–12: none. Grade 9: 3.5 GPA in 8th grade core subjects, Algebra I and teacher recommendation.

This course deals with the formation and evolution of the earth's surface features as revealed by rocks and fossils and of applications of geology to general interest topics and specific Alaskan problems. Areas of concentration will be on ancient plants, animals, as well as evolution and the development of crustal features. Special emphasis will be placed on the Anchorage and Alaskan areas. Geologic time, fossils and rock dating will be applied to the interpretation of earth structures, petroleum exploration and mineral economics.

Geology II H2656

Grade level 10–12. Two semesters. Physical science.
Prerequisite: Geology I.

A two-semester course of advanced work in physical and historical geology with lab and field work. Special work in the fields of mining, oil and Alaskan geology.

Health Science Online H7500OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Principles of Health Science provides knowledge and skills students need for careers in health care. Students explore the services, structure, and professions of the health care system and get guidance on choosing a specific career path in health services, including career paths in emergency medicine, nutrition, and alternative medicine.

Human Anatomy/Physiology H2300

Grade level 10–12. Two semesters. Life science.
Prerequisite: Biology I required, Chemistry I recommended.

The study of the structure and function of the various portions of the human anatomy. This course is recommended for those students interested in medical/health-related careers. Course covers the chemical basis of life, histology, integumentary system, the nervous system, special senses and the skeletal system.

Introduction to Forestry and Natural Resources. H8713OL

Grade level 9–12. One semester.
Prerequisite: None.

Whether you are a treehugger or not, everyone loves the beau ty and serenity of a healthy forest. Our precious woodland species not only supply us with aesthetic beauty but also play a valuable role in nature. Trees uphold a great deal of our wildlife's ecosystem while providing us humans with needed lumber, paper products, and even food. But these forests cannot protect themselves and depend greatly on humans for conservation. In Introduction to Forestry and Natural Resources, you will learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. After better understanding these variables and how they affect the majesty of our forests, you may just be hugging these gentle giants after all.

Introduction to Veterinary Science H8920

Grade level 9–12. One semester. Life science.
Prerequisite: Biology Recommended.

In Introduction to Veterinary Science, students will learn a basic knowledge of veterinary science to include the common species, health care, diseases and skills necessary for pursuing further education for veterinary careers. These skills are directly applicable and transferable to all components of the health career pathway. Topics include: clinical management and client relations, animal anatomy, disease processes, clinical procedures/ infection control and career investigations.

Life Science. H2020

Grade level 9. One semester. Life science.
Prerequisite: None.

This course explores two aspects of life science: ecology and human body systems. It integrates biology, chemistry, anatomy, critical thinking skills and science practices. Hands on activities and laboratory work will be an integral component of this course. In addition, students will conduct a self directed, research-based inquiry project.

Topics covered in ecology include: characteristics of life, levels of organization, biodiversity and populations in ecosystems, energy transfer, major biomes, biogeochemical cycles and current events in ecology. Topics covered in human body systems include: homeostasis, body organization and systems, interactions among body systems, current events, diseases and society.

Science 9–12 AC 1 . . . . . H2002LS1

Grade level 9–12. Two semesters.
Prerequisite: IEP.

This is an integrated, thematic program that teaches natural sciences through which common principles operate in relationship to one another. Students explore areas of life science, chemistry, physics, earth and space science as well as integrating

technology. Alternate curriculum for students enrolled in a Life Skills 1 class as required by their IEP. This course is repeatable.

Science 9–12 AC 2 . . . . . H2002LS2

Grade level 9–12. Two semesters. Life science.
Prerequisite: IEP.

This is an integrated, thematic program that teaches natural sciences through which common principles operate in relationship to one another. Students explore areas of life science, chemistry, physics, earth and space science as well as integrating technology. Alternate curriculum for students enrolled in a Life Skills 2 class as required by their IEP. This course is repeatable.

Science Foundations Online HH2090OL

Grade level 10–12. Two semesters.
Prerequisite: Middle school/junior high physical science. . . . . .

Science Foundations provides students with opportunities to develop the knowledge, skills, and strategies necessary for success in rigorous high school science courses. The course is appropriate for use as remediation at the high school level or as a bridge to high school.

Physiology of Wellness H2302

Grade level: 9–12. One semester. Life science.
Prerequisite: Biology or PLTW Principles of Biomedical Science.

Physiology of Wellness is a hands-on approach to fundamental skills necessary for entry level positions in the health and nutrition fields. The class includes, but is not limited to, concepts of nutrition, weight control, eating disorders, exercise physiology, depression, the immune system, digestion and infectious disease.

Meteorology H2550

Grade level 10–12. One semester. Physical science.
Prerequisite: None.

Students in this course will study and learn how meteorologists monitor the weather using weather maps, satellites, radar and physical and observational measurements of the atmosphere and sky. Students will also study the atmosphere's origin, composition and structure, solar and terrestrial radiation, heat and temperature, air pressure, humidity, saturation and stability, clouds, precipitation, wind, air masses, fronts, cyclones, anticyclones, thunderstorms, tornadoes, hurricanes and weather forecasting techniques.

Introduction to Natural Resources H2360

Grade level 10–12. One semester. Life or physical science.
Prerequisite: Biology or Instructor's permission.

A field course requiring winter and spring outdoor clothing, that is a survey of the science, technology, terminology, skills, safety procedures and career implications of natural resources. This course covers forestry, recreation, wildlife, fisheries management, environmental testing, fire use and fighting and natural resources technology.

The Living Earth Online H2271OL

Grade level 10–12. Two semesters.
Prerequisite: None.

The Living Earth integrates biology with Earth and space science. Throughout the course, students apply fundamental biological concepts to better understand how living systems and Earth's systems are interrelated and interdependent.

Natural Science of Alaska H2330

Grade level 9–12. One semester. Life or physical science.
Prerequisite: None. Not open to students with credit in Biology, Alaska.

A one semester study of geography, major land forms, weather and plants and animals of Alaska.

Physical Science H2030

Grade level 9. One semester. Physical science.
Prerequisite: None.

This course is an introduction to physical science. It integrates physics, chemistry, critical thinking skills and design and engineering practices. Topics covered include: forces and interactions, motion, energy and energy transfer, atomic structure, periodic table, chemical bonding and the conservation of matter. Hands on activities and laboratory work will be an integral component of this course. In addition, students in the course will conduct a self directed design and engineering project, utilize Common Core skills, safety in science, careers in STEM, workplace readiness, and social emotional learning.

PLTW Biomedical Innovations H8820

Grade: 11–12. Two semesters. .5 Physical science 1st semester, .5 Life science 2nd semester.
Prerequisite: PLTW Medical Interventions.
Academic Credit: .5Physical Science 1st semester, .5 Life Science 2nd semester

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project and may work with a mentor or advisor from a university, hospital, physician's office, or industry. Throughout the course, students are expected to present their work to an adult audience that may include representatives from the local business and healthcare community.

PLTW Civil Engineering & Architecture H8000

Grade: 11–12. Two semesters. Physical science.
Prerequisite: Algebra I, PLTW Engineering Essentials or PLTW Intro to Engineering Design.

Civil Engineering and Architecture (CEA) is a high school level specialization course in the PLTW Engineering Program. In CEA students are introduced to important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

PLTW Computer Integrated Manufacturing H8114

Grade: 11–12. Two semesters. Physical science.
Prerequisite: Algebra I.

Computer Integrated Manufacturing is a course that enhances computer modeling skills by applying principles of robotics and automation to the creation of models of three-dimensional designs. This course is part of the PLTW (Project Lead the Way) Pre-Engineering Program. The purpose of the Computer Integrated Manufacturing course is to expose students to the fundamentals of computerized manufacturing technology. The course is built around several key concepts: Computer Modeling, CNC Equipment, CAM, Robotics , Flexible Manufacturing Systems.

PLTW Digital Electronics H8112

Grade: 10–12. Two semesters. Physical science.
Prerequisite: Concurrent enrollment or completion of Algebra I.

Digital Electronics™ is a core course of study in the Project Lead the Way® (PLTW) program. The purpose of this introductory pre-engineering course is to develop a student's logical thinking skills by solving problems and designing control systems. In this manner students will gain a better understanding of the digital circuits in microelectronic design, manufacturing, computer technology, and information systems. Students use computer simulation to learn about the logic of electrons as they design, test and construct circuits and devices. Students will use the design process by applying it to problem-solving activities and projects; develop critical thinking skills by designing and testing their own solutions; increase communication skills through design and presentation formats; and develop team building skills by working collaboratively in groups.

PLTW Engineering Design and Development H8931

Prerequisite: 3 PLTW courses including PLTW Principles of Engineering
Academic Credit: .5 Physical Science per semester.

Engineering Design and Development is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Students will perform research to choose, validate, and justify a technical problem. After carefully defining the problem, teams of students will design, build, and test their solution. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational skills, communication and interpersonal skills, creative and problem solving abilities, and their understanding of the design process.

Engineering Design and Development is a high school level course that is appropriate for 12th graders. Since the projects on which student work can vary with student interest and the curriculum focuses on problem solving, this course is appropriate for students who are interested in any technical career path. It should be taken as the final capstone PLTW course since it requires application of the knowledge and skills from the PLTW foundation courses.

PLTW Engineering Essentials H8932

Grade Level: 9-12
Prerequisite: None
Academic Credit: .5 Physical Science per semester

Engineering Essentials is a full-year course designed to be a high school student's first exposure to the PLTW Engineering program and is appropriate for students in grades 9-12. In Engineering Essentials, students explore the work of engineers and their role in the design and development of solutions to real-world problems. The course introduces students to engineering concepts that are applicable across multiple engineering disciplines and empowers them to build technical skills through the use of a variety of engineering tools, such as geographic information systems (GIS), 3-D solid modeling software, and prototyping equipment. Students learn and apply the engineering design process to develop mechanical, electronic, process, and logistical solutions to relevant problems across a variety of industry sectors, including health care, public service, and product development and manufacturing.

PLTW Introduction to Engineering Design. H8110

Grade level 9-12. Two semesters. Physical science.
Prerequisite: Concurrent enrollment or completion of Algebra I.

Introduction to Engineering Design (IED) is a high school level foundation course in the PLTW Engineering Program. In IED students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

PLTW Medical Interventions H8821

Grade level 11-12. Two semesters. Life science.
Prerequisite: PLTW Human Body Systems.

Students investigate the variety of interventions in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a "how-to" manual for maintaining overall health and homeostasis in the body as students explore how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Each family case scenario will introduce multiple types of interventions and will reinforce concepts learned in the two previous courses as well as present new content. Interventions may range from simple diagnostic tests to treatment of complex diseases and disorders. Lifestyle choices and preventative measures are emphasized throughout the course as well as the important role of scientific thinking and engineering design play in the development of interventions of the future.

PLTW Principles of Biomedical Science H8919

Grade level: 9–12. Two semesters.
Core Credit: .5 Life science 1st semester, .5 Physical science 2nd semester
Prerequisite: None.

Principles of Biomedical Sciences is a two semester course that provides an introduction to the biomedical sciences through exciting hands on projects and problems. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce the students to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.

This course is the first course in the Project Lead the Way Biomedical Sciences Program.

PLTW Principles of Engineering H8116

Grade level 10–12. Two semesters. Physical science.
Prerequisite: Concurrent enrollment or completion of Algebra I.

Principles of Engineering is a course that helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change. This course is part of the PLTW (Project Lead the Way) Pre-Engineering Program.

Conceptual Physics H2511

Grade level 10–12. Two semesters. Physical science.
Prerequisite: None.

Basic content shall consist of a brief synopsis of classical areas of physics, i.e., heat, motion, magnetism, mechanics, optics, energy, light, wave behavior, and electricity. The approach to the above content areas of physics shall be that of an everyday practical application. Areas of study shall also include an examination of current energy and environmental problems from a physical science point of view.

AP Physics 1 . . . . . H2530

Grade level 11-12. Two semesters.
Prerequisite: Algebra II.

AP Physics 1 is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits.

AP Physics 2 . . . . . H2531

Grade level 11-12. Two semesters.
Prerequisite: AP Physics 1

AP Physics 2 is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics

Physics H2521

Grade level 10–12. Two semesters. Physical science.
Prerequisite: Algebra I concurrent or previous algebra II preferred. Chemistry preferred.

Designed to give the student an appreciation and understanding of the physical laws of the universe. It is a study of the basic force of nature. Topics include gravity, electricity, magnetism and atomic and nuclear forces.

Physics Online H2521OL

Grade level 10–12. Two semesters.
Prerequisite: One year of Algebra (two years recommended).

Physics offers a curriculum that emphasizes students' understanding of fundamental physics concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology.

The course provides students with opportunities to learn and practice critical scientific skills within the context of relevant scientific questions. Topics include the nature of science, math for physics, energy, kinematics, force and motion, momentum, gravitation, chemistry for physics, thermodynamics, electricity, magnetism, waves, nuclear physics, quantum physics, and cosmology.

Physics of the Universe Online H2522OL

Grade level 10–12. Two semesters.
Prerequisite: One year of Algebra (two years recommended)

Physics of the Universe integrates physics with Earth and space science. Throughout the course, students apply fundamental physics concepts to better understand the impact of human activities on Earth's systems and how forces, energy, and matter interact throughout the universe.

Honors Physics Online H2521HOL

Grade level 9-12. Two semesters. Physical Science
Prerequisites: Middle school / junior high Physics, and one year of Algebra (two years recommended)

Physics offers a curriculum that emphasizes students' understanding of fundamental physics concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology.

The course provides students with opportunities to learn and practice critical scientific skills within the context of relevant scientific questions. Topics include the nature of science, math for physics, energy, kinematics, force and motion, momentum, gravitation, chemistry for physics, thermodynamics, electricity, magnetism, waves, nuclear physics, quantum physics, and cosmology.

Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Lab activities reinforce critical thinking, writing,

and communication skills and help students develop a deeper understanding of the nature of science.

Throughout this course, students are given opportunities to understand how physics concepts are applied in technology and engineering. Practice activities provide additional opportunities for students to apply learned concepts and practice their writing skills. Exploration activities challenge Honors students to deconstruct scientific claims, analyze scientific articles, and suggest follow-up experiments or topics for further research. Finally, Project activities allow Honors students to use scientific process skills to delve deeper into topics.

This course is built to state standards, the American Association for the Advancement of Science (AAAS) Project 2061 benchmarks, and the National Science Education Standards (NSES).

AP Physics C. H2528

Grade level 11–12. Two semesters. Physical science.
Prerequisite: Physics, completed or currently enrolled in Calculus.

As with other courses designated with Advanced Placement, this course is introductory college level material. The student is expected to meet this college level workload to be successful.

This course is designed to be the equivalent of the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. Methods of calculus are used wherever appropriate in formulating physical principles and applying them to physical problems. The sequence is more intensive and analytic than that in the B course. The subject matter is mechanics and electricity and magnetism with approximately equal emphasis on these two areas.

SOCIAL STUDIES

Alaska Studies H3110
Alaska Studies, Honors H3110H

Grade level 9–12. One semester, required.
Prerequisite: None.

Alaska Studies is an in-depth exploration of the rich geographic and cultural background of the state and its people from the early Native peoples to the Russian era through statehood to the present. This course includes examination of the geography, history and the political and economic forces that have shaped contemporary Alaska. Content is organized around five themes of population, land, resource, governance and cultural landscape. The course seeks to ensure that students have a strong foundation in the historic and cultural contexts of issues facing the state so they will develop a broad sense of community and strengthen skills that will encourage thoughtful consideration of issues and choices facing Alaska.

Alaska Studies Online H3110OL

Grade level 9–12. One semester, required.
Prerequisite: None.

Alaska Studies is an online in-depth exploration of the rich geographic and cultural background of the state and its people from the early Native peoples to the Russian era through statehood to the present. This course includes examination of the geography, history and the political and economic forces that have shaped contemporary Alaska. Content is organized around five themes: population, land, resource, governance and cultural landscape. The course seeks to ensure that students have a strong foundation in the historic and cultural contexts of issues facing the state so they will develop a broad sense of community and strengthen skills that will encourage thoughtful consideration of issues and choices facing Alaska.

Alaska Studies 9–12 . . . . . H3110SP

Grade level 9–12. One semester, required.
Prerequisite: None.

Alaska Studies is an in-depth exploration of the rich geographic and cultural background of the state and its people from the early Native peoples to the Russian era through statehood to the present. This course includes examination of the geography, history and the political and economic forces that have shaped contemporary Alaska. Content is organized around five themes of population, land, resource, governance and cultural landscape. The course seeks to ensure that students have a strong foundation in the historic and cultural contexts of issues facing the state so they will develop a broad sense of community and strengthen skills that will encourage thoughtful consideration of issues and choices facing Alaska. Modified curriculum for Alaska Studies, as required by student's IEP.

Anthropology H3020OL

Grade level 11–12. One semester.
Prerequisite: None.

This is a study of humankind around the world and through out time to seek understanding of human diversity. Students in this course will explore how the environment, culture, history and technology affect human development. Learn how old bones and artifacts can unlock the mystery of humankind. Sample topics include fieldwork and its methodology, early civilizations and societies, famous anthropologists and their discoveries, cultures past and present and how they compare.

World History (Circa 500 BC–AD 1800). H3315

Grade level 10. Required. Two semesters.
Prerequisite: None.

This course provides a study of world history. Included in the first semester of the ASD world history curriculum are the geographic regions of Greece, Rome, India, The Far East; China, Japan, Korea, and Africa. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

Included in the second semester are the geographic regions of the Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

World History Online
(Circa 500 BC-AD 1800) H3315OL

Grade level 10. Required. Two Semesters.
Prerequisite: None.

This online course provides a study of world history. Included in the first semester are the geographic regions of Greece, Rome, India, The Far East, China, Japan, Korea, and Africa. Geography,

humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored. Included in the second semester are the geographic regions of the Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

World History 9–12 . . . . . H3315SP

Grade level 9–12. Two semesters, required.
Prerequisite: IEP.

This course provides a study of world history. Included in the 9-1 portion of the ASD world history curriculum are the geographic regions of Greece, Rome, India, The Far East; China, Japan, Korea, Africa, Middle East, ancient Americas, Byzantium, and Europe.. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored. Modified curriculum for World History, as required by student's IEP.

World History, Honors (Circa 500 BC–AD 1800) H3315H

Grade level 10. Two semesters.
Prerequisite: Social studies teacher recommendation required.

This course provides an in-depth study of world history. Extensive reading, writing, research, and project development will be required on a daily basis outside of class to meet course expectations. Included in the first semester of the ASD world history curriculum are the geographic regions of Greece, Rome, India, The Far East; China, Japan, Korea, and Africa. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

Included in the second semester are the geographic regions of the Middle East, Ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

World History, Honors Online H3315HSOL

Grade level 9-12.Two semesters.
Prerequisite: None.

In World History Honors, students learn to see the world today as the product of a process that began thousands of years ago, when humans became a speaking, traveling, and trading species. Through historical analysis grounded in primary sources, case studies, and research, students investigate the continuity and change of human culture, governments, economic systems, and social structures.

Students build and practice historical thinking skills, learning to connect specific people, places, events, and ideas to the larger trends of world history. In critical reading activities, feedback-rich instruction, and application-oriented assignments, students develop their capacity to reason chronologically, interpret and synthesize sources, identify connections between ideas, and develop well-supported historical arguments.

Students write throughout the course, responding to primary sources and historical narratives through journal entries, essays, and visual presentations of social studies content. In discussion activities, students respond to the positions of others while staking and defending their own claims. Honors students also complete two independent research projects focused on historical periods of their choosing.

Advanced Placement World History: Modern H3313

Grade level 10–12. One year
Prerequisite: Instructor Approval
One full year meets the World History requirement or one-semester meets the social studies elective requirement and earns an additional one-semester general elective requirement.

AP World History: Modern is a college level course based on a global perspective of the world and human interactions from 1200 CE to the present day. The concepts for this course will be structured by four historical periods; Regional and Interregional Interactions (ca. 1200 to ca.1450), Global Interactions (ca. 1450 to ca. 1750), Industrialization and Global Integration (ca. 1750 to ca. 1900), Accelerating Global Change and Realignments (ca. 1900 to the present). Students will refine their analytical abilities and critical thinking skills in order to understand the historical and geographical context, make comparisons across cultures, use primary sources, and learn to recognize different interpretations and historical frameworks. Students will become proficient at writing to the various types of essay prompts and answering the multiple-choice questions that will be on the AP exam.

U.S. History H3317

Grade level 11. Required. Two semesters.
Prerequisite: None.

This course provides the study of United States history with some integration of world history. Historiography, geography, economics, government, humanities, sociology, religions, philosophy, science, and technology are some of the themes/perspectives by which US history will be examined. The first semester will investigate/explore the American experience through the post WW I era (roaring twenties) and the beginning of the Great Depression. The second semester will investigate/explore the American experience from the Great Depression through contemporary America.

US History Online H3317OL

Grade level 11. Required. Two semesters.
Prerequisite: None.

This online course provides the study of United States history with some integration of world history. Historiography, geography, economics, government, humanities, sociology, religions, philosophy, science, and technology are some of the themes/perspectives by which US history will be examined. The first semester will investigate/explore the American experience through the post WW I era (roaring twenties) and the beginning of the Great Depression. The second semester will investigate/explore the American experience from the Great Depression through contemporary America.

U.S. History 9–12 . . . . . H3317SP

Grade level 9–12. Required.

Prerequisite: IEP.

This course provides the study of United States history with some integration of world history. Historiography, geography, economics, government, humanities, sociology, religions, philosophy, science, and technology are some of the themes/perspectives by which US history will be examined. U.S. History will investigate/explore the American experience until the stock market "crash" in 1929 and the beginning of the Great Depression. It will also investigate/explore the American experience from the Great Depression through contemporary America. Modified curriculum for U.S. History, as required by student's IEP.

U.S. History, Honors H3317H

Grade level 11. Two semesters.
Prerequisite: Social studies teacher recommendation required.

This course provides an in-depth study of United States history with some integration of world history. Extensive reading, writing, research, and project development will be required on a daily basis outside of class to meet course expectations. Historiography, geography, economics, government, humanities, sociology, religions, philosophy, science, and technology are some of the themes/perspectives by which US history will be examined. In the first semester this course will investigate/explore the American experience through the post WWI ear (roaring twenties) and the beginning of the Great Depression. In the second semester this course will investigate/explore the American experience from the Great Depression through contemporary America.

US History, Honors Online H3317HSOL

Grade level 9-12. Two semesters.
Prerequisites: None

U.S. History Honors traces the nation's history from the pre-colonial period to the present. Students learn about the Native American, European, and African peoples who lived in North America before a large part of it became the United States. They examine the beliefs and philosophies that informed the American Revolution and the subsequent formation of the government and political system. Students investigate the economic, cultural, and social motives for the nation's expansion, as well as the conflicting notions of liberty that eventually resulted in a civil war. The course describes the emergence of the United States as an industrial nation and then focuses on its role in modern world affairs.

Moving into the 20th and 21st centuries, students probe the economic and diplomatic interactions between the United States and other nations while investigating how the world wars, the Cold War, and the "information revolution" affected the lives of ordinary Americans. Woven through this chronological sequence is a strong focus on the changing conditions of women, African Americans, and other minority groups.

The course emphasizes the development of historical analysis skills such as comparing and contrasting, differentiating between facts and interpretations, considering multiple perspectives, and analyzing cause-and-effect relationships. These skills are applied to text interpretation and in written assignments that guide students step-by-step through problem-solving activities.

Honors students perfect their ability to use logic and evidence to create persuasive written arguments in five-paragraph essays, two independent research projects, and shorter exercises such as document-based questions and analytic discussions.

The course is built to state standards and standards from the National Council for History Education, the National Center for History in the Schools, and the National Council for Social Studies.

Advanced Placement United States History H3023

Grade level 11–12. Two semesters.
Prerequisite: None.
One full year meets the one semester social studies elective requirement and earns an additional one semester general elective requirement or one full year meets the US History requirement.

This course is designed to challenge the ambitious student who has the ability and interest in American history and is capable of doing lower division college level work. The purposes of this course are to provide a much more intensive study of the United States history and preparation for the advanced placement test in this field.

Advanced Placement US History Online H3023OL

Grade level 11–12. Two semesters.
Prerequisite: None.
One full year meets the one semester social studies elective requirement and earns an additional one semester general elective requirement or one full year meets the US History requirement.

This online course is designed to challenge the ambitious student who has the ability and interest in American history and is capable of doing lower division college level work. The purposes of this course are to provide a much more intensive study of the United States history and preparation for the advanced placement test in this field.

Economics H3080

Grade level 9–12. One semester.
Prerequisite: None.

Students will examine the fundamental principles of economic theory and how they apply to their lives and the world around them. Students will learn the economic way of thinking as they study the role of consumers, producers and government in the economy. They will explore a number of microeconomic and macroeconomic issues, international markets, and financial literacy

Economics Online H3080OL

Grade level 9–12. One semester.
Prerequisite: None.

This online course is designed to teach students economics concepts and principles and to introduce them to important economic institutions. Students will learn to apply economic reasoning to their lives as citizens, consumers, workers and producers.

Business Economics H3081

Grade level 11–12. One semester.
Prerequisite: None.

This course focuses on applying basic microeconomic and macroeconomic issues, international markets, and financial literacy to the creation and operation of a business. Students will learn the economic way of thinking as they study the role of consumers, producers and government in the economy. Students

may participate in a student-run business or online simulation as part of this course.

Business Economics Online H3081OL
Grade levels 9–12. Two semesters.
Prerequisite: None.

Principles of Business, Marketing, and Finance provides the knowledge and skills students need for careers in business and marketing. Students begin exploring roles and functions that business and marketing play in a global society, develop an understanding of the market place, as well as understanding product placement and promotion.

Careers in Criminal Justice H8219OL
Grade level 9–12. One semester.
Prerequisite: None.

Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. The Careers in Criminal Justice course illuminates what those different career choices are and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.

Consumer Economics H3082
Grade level 9–12. One semester. NOT NCAA APPROVED
Prerequisite: None.

This course focuses on the economic way of thinking and application of basic economics with an emphasis on financial literacy. Students will explore a number of microeconomic and macroeconomic issues, and global markets as they relate to the individual in the economic system. They will learn how their economic choices effect their lives as citizens, consumers, workers and producers.

Consumer Economics Online H3082OL
Grade level 9–12. One semester. NOT NCAA APPROVED

This course focuses on the economic way of thinking and application of basic economics with an emphasis on financial literacy. Students will explore a number of microeconomic and macroeconomic issues, and global markets as they relate to the individual in the economic system. They will learn how their economic choices effect their lives as citizens, consumers, workers and producers.

Consumer Economics 9–12. . . . . H3082SP
Grade level 9–12. One semester.
Prerequisite: IEP.

This course focuses on the economic way of thinking and application of basic economics with an emphasis on financial literacy. Students will explore a number of microeconomic and macroeconomic issues, and global markets as they relate to the individual in the economic system. They will learn how their economic choices effect their lives as citizens, consumers, workers and producers.

Consumer Economics 9–12 AC 1 . . . . . H3018LS
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP and enrolled in a Life Skills 1 program to prepare students for financial survival. Areas to be covered will be a study of sources and procedures necessary for job successes, which will include payroll deductions, income taxes, benefits and development of wise spending habits through sound money management. This course also addresses the skills necessary for successfully obtaining a job. This course is repeatable 10 times and may be counted as .5 credit of economics, social studies elective or general elective. Alternate curriculum for students enrolled in a Life Skills 2 as required by their IEP. This course is repeatable.

Consumer Economics 9–12 AC 2 . . . . . H3018LS2
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP and enrolled in a Life Skills 2 program to prepare students for financial survival. Areas to be covered will be a study of sources and procedures necessary for job successes, which will include payroll deductions, income taxes, benefits and development of wise spending habits through sound money management. This course also addresses the skills necessary for successfully obtaining a job. This course is repeatable 10 times and may be counted as .5 credit of economics, social studies elective or general elective. Alternate curriculum for students enrolled in a Life Skills as required by their IEP. This course is repeatable.

Advanced Placement Economics; Micro and Macro . . . . . H3083 /H3084
Grade level 11–12. One semester each.
Prerequisite: None
One full year meets both the economics and social studies elective requirement.

This is a college-level course divided into two sections and it is designed to prepare students for the Advanced Placement test. The first section, microeconomics, provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, consumers and producers. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government.

Macroeconomics is the second section of the course and provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. It places emphasis on the study of national income and price determination and also develops familiarity with economic performance measures, economic growth and international economics.

Advanced Placement Economics, Micro Online H3083OL
Grade level 11–12. One semester.
Prerequisite: None
Taking both Macro and Micro Economics meets both the economics and social studies elective requirement.

This is a college-level online course divided into two sections;

it is designed to prepare students for the Advanced Placement test.

Microeconomics provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, consumers and producers. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government.

Advanced Placement Economics, Macro Online H3084OL

Grade level 11–12. One semester, required
Prerequisite: None

Taking both Macro and Micro Economics meets both the economics and social studies elective requirement.

This is a college-level online course divided into two sections; it is designed to prepare students for the Advanced Placement test.

Macroeconomics provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. It places emphasis on the study of national income and price determination and also develops familiarity with economic performance measures, economic growth and international economics.

United States Government. H3075

Grade level 12. One semester, required.
Prerequisite: None.

This course is founded on the belief that to become an informed and active citizen, an understanding of government is essential. This course will feature both the structure of government and the function of politics. It will include both theory and practical application of the following: 1) foundations of United States government, 2) institutions and policy making, 3) principles of the United States Constitution, 4) roles and responsibilities of the citizen, and 5) political culture.

United States Government Online H3075OL

Grade level 12. One semester, required
Prerequisite: None.

This online course is founded on the belief that to become an informed and active citizen, an understanding of government is essential. This course will feature both the structure of government and the function of politics. It will include both theory and practical application of the following: 1) foundations of United States government, 2) institutions and policy making, 3) principles of the United States Constitution, 4) roles and responsibilities of the citizen, and 5) political culture.

US Government, Honors Online H3075HOL

Grade Level 12. One semester
Prerequisites: None

U.S. History Honors traces the nation's history from the pre-colonial period to the present. Students learn about the Native American, European, and African peoples who lived in North America before a large part of it became the United States. They examine the beliefs and philosophies that informed the American Revolution and the subsequent formation of the government and political system. Students investigate the economic, cultural, and social motives for the nation's expansion, as well as the conflicting notions of liberty that eventually resulted in a civil war. The course describes the emergence of the United States as an industrial nation and then focuses on its role in modern world affairs.

Moving into the 20th and 21st centuries, students probe the economic and diplomatic interactions between the United States and other nations while investigating how the world wars, the Cold War, and the "information revolution" affected the lives of ordinary Americans. Woven through this chronological sequence is a strong focus on the changing conditions of women, African Americans, and other minority groups.

The course emphasizes the development of historical analysis skills such as comparing and contrasting, differentiating between facts and interpretations, considering multiple perspectives, and analyzing cause-and-effect relationships. These skills are applied to text interpretation and in written assignments that guide students step-by-step through problem-solving activities.

Honors students perfect their ability to use logic and evidence to create persuasive written arguments in five-paragraph essays, two independent research projects, and shorter exercises such as document-based questions and analytic discussions.

The course is built to state standards and standards from the National Council for History Education, the National Center for History in the Schools, and the National Council for Social Studies.

United States Government 9–12 . . . . . H3075SP

Grade level 9–12. One semester, required.
Prerequisite: IEP.

This course is founded on the belief that to become an informed and active citizen, an understanding of government is essential. This course will feature both the structure of government and the function of politics. It will include both theory and practical application of the following: 1) foundations of United States government, 2) institutions and policy making, 3) principles of the United States Constitution, 4) roles and responsibilities of the citizen, and 5) political culture. Modified curriculum for United States Government, as required by student's IEP.

Advanced Placement United States Government H3062

Grade level 12. One semester.
Prerequisite: None.

This course is designed for the student who is capable of doing lower division college work. The AP U.S. Government and Politics class will address the following topics: 1) constitutional underpinnings of United States government, 2) political beliefs and behaviors, 3) political parties and interest groups, 4) the three branches of national government, 5) public policy making and 6) civil liberties and civil rights. This course will prepare students for the advanced placement test in U. S. Government and Politics and will fulfill the requirement for U. S. Government.

Advanced Placement US Government Online H3062OL

Grade level 12. One semester.
Prerequisite: None.

Taking one semester of AP U.S. Government meets the government requirement.

This online course is designed for the student who is capable of doing lower division college work. The AP U.S. Government class will address the following topics: 1) constitutional underpinnings of United States government, 2) political beliefs and behaviors, 3) political parties and interest groups, 4) the three branches of national government, 5) public policy making and 6) civil liberties and civil rights. This course will prepare students for the advanced placement test in U.S. Government and Politics and will fulfill the requirement for U. S. Government.

Advanced Placement Comparative Government and Politics H2901

Grade level 12. One semester.
Prerequisite: None.
Taking one semester of AP Comparative Government and Politics meets the social studies elective requirement.

This course is designed for the student who is capable of doing lower division college work. The course provides intensive study of the different political and economic systems of the following countries: United Kingdom, France, Russia, China and Mexico, India or Nigeria. This course will prepare students for the advanced placement test in AP Comparative Government and Politics.

Advanced Placement European History. H3441

Grade level 11–12. Two semesters.
Prerequisite: None.
One full year meets the one semester social studies elective requirement and earns an additional one semester general elective requirement.

This course offers students an opportunity for a challenging, in-depth examination of the course of European cultural development from the middle ages to contemporary times. Students will be prepared for the advanced placement test and will 1) develop an understanding of some of the principle themes in Modern European History, 2) learn to read historical material analytically and critically, 3) weigh historical evidence and interpretations and arrive at conclusions on the basis of informed judgments, 4) learn how to cite sources and credit the ideas and phrases of others, 5) use proficient expression in correct English, 6) research a subject carefully before drawing conclusions and gain familiarity with essay examinations, the use and interpretation of maps and other graphic materials, note-taking from both printed materials and lectures and writing short research papers.

Advanced Placement Art History H5017

Grade level 11–12. One year
Prerequisite: Grade 11, 12 or Instructor Approval
Art Studio, Art I, Art II, AP Art Studio, World History or European History helpful
Two-semester course: AP Exam required for AP credit
Material Fee: none
One full year meets the one semester social studies elective requirement and earns an additional one semester general elective requirement.

This course is designed for the student who desires to investigate the evolution of art from the Paleolithic to the present day. Students will be prepared for the advanced placement test and will: l) Develop an understanding of the elements of art, fundamental art historical terminology, and technical processes; 2) Analyze how issues such as war events, patronage, gender, and the function and effect of art create the historical context, in which art is best understood; 3) Compare and contrast the painting, architecture, sculpture, and other media of art, within the Western tradition, between historical and stylistic periods, and; 4) Discuss art beyond the European tradition from among the following cultures: The Ancient Near East, Egypt, Africa beyond Egypt, Islam, the Americas, Asia, and Oceania.

Social Studies 9–12 AC 1 . . . . . H3013LS1

Grade level 9–12. Two semesters.
Prerequisite: IEP.

This course is designed for students to learn about the world around them and to become informed and active citizens. Students will learn about the foundations of government, our own US Constitution, politics and the roles and responsibilities of being a good citizen. They will also learn about their local community and how they can be contributing members. Alternate curriculum for students enrolled in a Life Skills 1 class as required by their IEP. This course is repeatable.

Social Studies 9–12 AC 2 . . . . . H3013LS2

Grade level 9–12. Two semesters.
Prerequisite: IEP.

This course is designed for students to learn about the world around them and to become informed and active citizens. Students will learn about the foundations of government, our own US Constitution, politics and the roles and responsibilities of being a good citizen. They will also learn about their local community and how they can be contributing members. Alternate curriculum for students enrolled in a Life Skills 2 class as required by their IEP. This course is repeatable.

SOCIAL STUDIES ELECTIVES

The specific courses listed below are the courses that meet the 1⁄2 credit social studies elective graduation requirement. Although organized into two categories, Geography/Area Studies and History/Social Sciences, any one course from either category meets that requirement. These semester-long courses are intended for juniors and seniors only.

Geography/Area Studies

Geography: Africa Studies. H3430

Grade level 11–12. One semester.
Prerequisite: None.

Africa studies will focus on the physical geography and the diverse cultural forces that affect contemporary Africa. In this course, students will discuss early civilizations, imperialism, colonialism, the rise of nationalism and the emergence of independent African nations. The changing role of African nations in the modern world will be examined.

Geography: Asia Studies H3415

Grade level 11–12. One semester.

Prerequisite: None.

Asia studies will focus on the physical geography and cultural factors that characterize this huge region. Students will examine the diverse social, political, cultural and economic forces that affect regions of the world's most populated continent. Students will discuss early civilizations, dynasties, religions, beliefs, environmental issues, sub-regions, changing history and the region's contributions to the world. Issues facing contemporary Asia will also be explored.

Contemporary Problems H3655

Grade level 11–12. One semester.
Prerequisite: None.

This course will focus on the social, political, cultural and geographic forces that have created contemporary world "hot spots." Students will discuss the evolution of these issues on the world stage and the implications of their resolution or non-resolution.

Contemporary Problems Online H3655OL

Grade level 11–12. One semester.
Prerequisite: None.

This course will focus on the social, political, cultural and geographic forces that have created contemporary world "hot spots." Students will discuss the evolution of these issues on the world stage and the implications of their resolution or non-resolution.

Environmental Studies. H3092

Grade level 11–12. One semester.
Prerequisite: None.

Environmental Studies emphasizes how the diverse people and cultures of the world affect the land on which they live. Students will examine the historical context of how local geography influenced the decisions that a people made. Then, as industrialization became widespread, how those decisions affected the world's geography and environment. The interrelationships existing between economic development and the environment will also be explored.

Geography: European Studies H3638

Grade level 11–12. One semester.
Prerequisite: None.
Approved by NCAA

European studies will examine the physical geography, cultures, history, economies and diversity of the people in this region. The course will focus upon an in-depth study of a selected sub-region or provide a comparative study of several European nations. Contemporary issues and problems will be examined as well as the region's impact upon the world.

Global Geography H3030
Global Geography, Honors H3030H

Grade level 9–12. One semester.
Prerequisite: None.

This course is ideal for those curious about our world. The course concentrates on developing geographic skills and concepts so that students can ask questions about the world and then gather, organize, analyze and apply the geographic information. For example, students will study world population growth and distribution, patterns of migration, how climate affects human habitation and distribution and how people use resources.

Global Geography 9–12 . . . . . H3030SP

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is ideal for those curious about our world. The course concentrates on developing geographic skills and concepts so that students can ask questions about the world and then gather, organize, analyze and apply the geographic information. For example, students will study world population growth and distribution, patterns of migration, how climate affects human habitation and distribution and how people use re-sources. Modified curriculum for Global Geography, as required by student's IEP. The course is repeatable 10 times.

International Relations. H3630

Grade level 11–12. One semester.
Prerequisite: None.

This course studies political geography among nations in the modern world. Emphasis is placed upon the history of United States foreign policy and how it is determined and implemented. Contemporary, topical issues will be studied in the context of their effect on the interests of the United States.

Geography: Latin America Studies. H3635

Grade level 11–12. One semester.
Prerequisite: None.

This course will focus on the physical geography and cultural factors that characterize this region. Latin America includes Mexico, Caribbean nations and the nations of Central and South America. Students will study the characteristics which make the region unique and develop a knowledge of the contemporary issues. Current issues may include the development of a democracy, economic development, populations and environmental issues and challenges.

Geography: Middle East Studies. H3455

Grade level 11–12. One semester.
Prerequisite: None.
Approved by NCAA

This course will focus upon the physical and cultural geography of this important region. The important role of the region in the global community will be examined. Students will investigate the relationships existing between the people and nations within the region. Key themes will address how the region's religion, terrorism and oil influences the world.

Geography: North America Studies H3636

Grade level 11–12. One semester.
Prerequisite: None.

This course will focus upon the physical and cultural geography of this region or selected sub-regions. An analysis of the relationships among North American nations and cultures may be conducted to examine the impact of the region on the world today. Within that geographic context, the course will focus upon the cultural and physical forces that affect contemporary North America.

Global Geography Online H3030OL
Grade Level 9-12. One Semester
Prerequisite: None.

Geography and World Cultures offers a tightly focused and scaffolded curriculum that enables students to explore how geographic features, human relationships, political and social structures, economics, science and technology, and the arts have developed and influenced life in countries around the world. Along the way, students are given rigorous instruction on how to read maps, charts, and graphs, and how to create them.

Geography and World Cultures is built to state standards and informed by standards from the National Council for History Education, the National Center for History in the Schools, and the National Council for Social Studies.

Geography and World Cultures is designed as the first course in the social studies sequence. It develops note-taking skills, teaches the basic elements of analytic writing, and introduces students to the close examination of primary documents.

Geography: Pacific Rim Studies H3033
Grade level 11–12. One semester.
Prerequisite: None.

This course will focus upon the physical geography and diverse cultural elements found within the Pacific Rim region. Major countries surrounding and within the Pacific region will be the focus of study in this course. An analysis of the relationships among Pacific Rim cultures and nations will also be conducted to examine the impact of the region on the world today.

United Nations H3461
Grade level 11–12. One semester.
Prerequisite: None.

United Nations is the study of the physical and cultural geography of selected member states in the organization and their relationship to key issues being examined by the organization. Students will also examine the functions and roles of the United Nations in the contemporary world. Emphasis is placed upon the process and issues of policy making. Students may participate in a model United Nations as representatives of a member state. This participation may require a commitment of time beyond the regular class schedule.

Geography: U.S. Regional Studies H3637
Grade level 11–12. One semester.
Prerequisite: None.

U.S. Regional Studies will focus on the physical geography and cultural factors that characterize sub-regions in the United States. In this course, students will examine the geographic, political, cultural and economic diversity of the United States. Each region (e.g. Northwest, Southwest) will be examined for its uniqueness and its influence over other parts of the country. Students will analyze the evolution of American culture from an agrarian society to a technological-industrial society and investigate how this evolution has developed regional characteristics in areas such as foods, clothing, traditions, festivals, vocabulary and dialects

Modern World from 1450 Online H3318OL
Grade levels 9–12. Two semesters.
Prerequisite: None.

In Modern World History from 1450, students study the major turning points that shaped the modern world including the expansion of Islamic and Asian empires, transoceanic exploration, the Atlantic slave trade, the Enlightenment, industrialization, imperialism, nationalism, political revolutions, the world wars, the Cold War, decolonization, and globalization. By presenting content from multiple perspectives and through diverse primary and secondary source materials, this course not only provides students with a solid foundation in the history of the modern era, but it also prepares students to be active and informed citizens of the world.

Modern World History from 1600 . . . . . H3319OL
Grade levels 9–12. Two semesters.
Prerequisite: None.

In Modern World History from 1600, students study the major turning points that shaped the modern world including the Enlightenment, industrialization, imperialism, nationalism, political revolutions, the world wars, the Cold War, decolonization, and globalization. By presenting content from multiple perspectives and through diverse primary and secondary source materials, this course provides students with a solid foundation in the history of the modern era and prepares students to be active and informed citizens of the world.

U.S. History to the Civil War. H3320OL
Grade levels 9–12. One semester.
Prerequisite: None.

This course traces the nation's history from the pre-colonial period to the end of the American Civil War. It emphasizes the colonial period and the creation of a new nation and examines the beliefs and philosophies that informed the American Revolution and the subsequent formation of the government and political system.

U.S. History since the Civil War Online. H3321OL
Grade levels 9–12. Two semesters.
Prerequisite: None.

This course traces the nation's history from the end of the Civil War to the present. It describes the emergence of the United States as an industrial nation, highlighting social policy as well as its role in modern world affairs.

History/Social Sciences

Affective Skill Development 9–12 . . . . . H3135SP
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed for students with an IEP to assist with problem solving, anger management, conflict resolution, alternative coping skills and goal setting techniques. Individual needs and concerns are addressed on a student-by-student basis. This course is repeatable 10 times for .5 social studies elective credit or general elective credit.

Ancient Civilizations H3470
Ancient Civilizations, Honors H3470H
Grade level 9–12. One semester.
Prerequisite: None.

This course is designed to allow an in-depth study of early worlds from the Americas to China, India, Africa and Mesopotamia. This course explores why and where early civilizations developed and compares their religion, culture, literature, science, technological achievements and their economic and political systems. Sample topics include: pyramids, rise and fall of great empires, high technology of the day, myths, arts, sports, foods and leisure of the ancients and great warriors and their weapons.

Ancient Civilizations H3470SP

Grade level 9-12. One semester.
Prerequisite: None

This course is designed to allow an in-depth study of early worlds from the Americas to China, India, Africa and Mesopotamia. This course explores why and where early civilizations developed and compares their religion, culture, literature, science, technological achievements and their economic and political systems. Sample topics include: pyramids, rise and fall of great empires, high technology of the day, myths, arts, sports, foods and leisure of the ancients and great warriors and their weapons.

Ancient Civilizations Online H3470OL

Grade level 9-12. One Semester
Prerequisite: None.

World History to the Renaissance traces the development of civilizations around the world from prehistory to the Renaissance.

The course covers major themes in world history, including the development and influence of human-geographic relationships, political and social structures, economic systems, major religions and belief systems, science and technology, and the arts.

Topics covered in this course include the birth of civilizations; the classical civilizations of India, China, Greece, and Rome; the rise of new empires such as the Byzantine; and an examination of civilizations in Africa and North and South America. From there, students journey to the Middle Ages and into the Renaissance.

Primary source documents, which appear frequently, encourage students to make connections to evidence from the past. Writing skills are honed through a spiraled sequence of short analytic pieces.

This course is built to state standards and further informed by standards from the National Council for History Education, the National Center for History in the Schools, and the National Council for Social Studies.

Anthropology H3020

Grade level 11–12. One semester.
Prerequisite: None.

This is a study of humankind around the world and throughout time to seek understanding of human diversity. Students in this course will explore how the environment, culture, history and technology affect human development. Learn how old bones and artifacts can unlock the mystery of humankind. Sample topics include fieldwork and its methodology, early civilizations and societies, famous anthropologists and their discoveries, cultures past and present and how they compare.

Comparative World Religions H3465

Grade level 11–12. One semester.
Prerequisite: None.

This course is a study of religions as an integral part of daily life. Students will investigate the history and beliefs of selected world religions. The emphasis will be on the practices and principles and how they affect human behavior. How can people of different cultures cooperate if they do not understand each other's underlying belief systems? Sample topics include world religions and their belief structures; traditions, customs and behaviors; key historical events and people; the roles of religion and philosophy in our contemporary world and the impact of religion and philosophy on economic, political and social decisions.

The Constitution and the Bill of Rights. H3050

Grade level 11–12. One semester.
Prerequisite: None.

This course is a study of the founding principles and ideas underlying the U.S. political system. Students will examine how these important principles and ideas have worked throughout history and in the U.S. today. This class will explore the following questions: what are the philosophical and historical foundations of the U.S. political system? How did the framers create the Constitution? How did the values and principles embodied in the Constitution shape American institutions and practices? How have the protections of the Bill of Rights been developed and expanded? What rights does the Bill of Rights protect? What are the roles of the citizen in U.S. democracy?

Criminology. H3615

Grade level 11–12. One semester.
Prerequisite: None.

Criminology is a study in the nature and causes of crime, its control and related punishment issues. Students will explore why people become criminals, how do we control criminals and how crime affects young people. Sample questions include: what are common crimes? How do juvenile crime patterns compare with adult? What are the different types of crimes? How do we police? What is organized crime? How does a citizen become part of the solution? How are property crime patterns different from violent crime patterns?

Criminology Online H3615OL

Grade level 11–12. One semester.
.5 Social Studies Elective OR .5 English Elective
Prerequisite: None.

Criminology is a study in the nature and causes of crime, its control and related punishment issues. Students will explore online why people become criminals, how we control criminals and how crime affects young people. Sample questions include: What are common crimes? How do juvenile crime patterns compare with adult? What are the different types of crimes? How do we police? What is organized crime? How does a citizen become part of the solution? How are property crime patterns different from violent crime patterns?

Dignity in Diversity H3510

Grade level 11–12. One semester.
Prerequisite: None.

Dignity in Diversity focuses on four primary concepts to inspire students toward and prepare them for a democratic society. These concepts include democracy/equity, cross-cultural understanding, interdependence and socio-cultural exchange. The methodology of the course encourages students to understand more than one perspective in a dilemma, to place themselves in the position of other people and to be willing to express ideas in class without fear of ridicule. Through an interdisciplinary approach that uses social studies and literature, students have an opportunity to view the relationship of history to their lives and to explore the roles and responses of individuals and groups confronting contemporary difficult issues and dilemmas.

The Holocaust and Human Behavior H3513

Grade level 11–12. One semester.
Prerequisite: None.

This course allows students to explore, in-depth, one of the most fascinating yet tragic events of the twentieth century: The Holocaust. Students will examine the root causes which led to the rise of the Nazi party and the reaction of Germans—and the world—to Hitler and his plans of genocide. This course is best suited for individuals willing to reflect upon their own views of human behavior and consider the lessons of history. Questions which will be addressed include: what happens when prejudice and hatred are left unchecked? Can a democratic country produce a dictator? What did the Nazis believe and did anyone oppose them? How did Nazis make Germans obey orders? Have there been any other genocides like the Holocaust? Can individuals make a difference in the outcome of historic events?

Humanities of Western Civilizations H3505

Grade level 11–12. One semester.
Prerequisite: None.

This course will explore the roots of western society from the rise of Greece through the formation of modern Europe. Students will examine western history, philosophy, arts and theology. The contributions of Western culture in the international arena and the effects of these interactions will also be examined. Students will investigate the following topics: contributions of the ancient classical civilizations in Greece and Rome, the role of western culture in creating democratic traditions, scientific and artistic advancements that made up the Renaissance, the roles that Judaism and Christianity have played in shaping the western world and beyond.

Law Studies. H3625

Grade level 11–12. One semester.
Prerequisite: None.

Law Studies is the place to discover how the legal system works. This course aids students in applying legal principles and procedures through active participation in civil, criminal and constitutional mock trials. Sample questions that will be examined include: what rights do individuals have? What are the major types of law? Why do we have an adversarial system? How well will students do in court? How do we make justice happen? How is justice carried out in Alaska?

Law Studies Online. H3625OL

Grade level 11–12. One semester.
Prerequisite: None.

Law Studies is the place to discover how the legal system works. This online course aids students in applying legal principles and procedures. Sample questions that will be examined include: What rights do individuals have? What are the major types of law? Why do we have an adversarial system? How well will students do in court? How do we make justice happen?

Minority Groups and Ethnic Cultures H3512

Grade level 11–12. One semester.
Prerequisite: None.

This course is a study of the social, political, cultural and economic forces that affect minorities and ethnic cultures in the U.S. Students explore the customs, behaviors, issues and legacies of America's diversity. Sample questions that will be addressed include: who are the indigenous peoples of the United States? Who are the minority groups and ethnic cultures of the United States? What are the important issues facing minority groups and ethnic cultures in the U.S. today? What has been the progression of civil liberties for minorities in the U.S.? What have been and is the political/legal status of minority groups and cultures in the United States?

On Your Own 9–12 AC 1 . . . . . H3016LS1

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP and enrolled in a Life Skills 1 program to teach skills that will help students to successfully live independently in the future. This course provides opportunity to learn by doing; how to open a checking account, apply for a job, fill out an apartment application, create a budget, apply for credit and much more. Students will take several field trips and have many guest speakers from the community. Students will improve writing skills and math skills through practical applications in real life situations. This course is repeatable 10 times and may be counted as .5 credit of economics, social studies elective or general elective.

On Your Own 9–12 AC 2 . . . . . H3016LS2

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP and enrolled in a Life Skills 2 program to teach skills that will help students to successfully live independently in the future. This course provides opportunity to learn by doing; how to open a checking account, apply for a job, fill out an apartment application, create a budget, apply for credit and much more. Students will take several field trips and have many guest speakers from the community. Students will improve writing skills and math skills through practical applications in real life situations. This course is repeatable 10 times and may be counted as .5 credit of economics, social studies elective or general elective.

On Your Own 9–12 . . . . . H3016SP

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is a designed as a transitional skills class for stu-

dents with an IEP to teach skills that will help students to successfully live independently in the future. This course provides opportunity to learn by doing; how to open a checking account, apply for a job, fill out an apartment application, create a budget, apply for credit and much more. Students will take several field trips and have many guest speakers from the community. Students will improve writing skills and math skills through practical applications in real life situations. This course is repeatable 10 times and may be counted as .5 credit of economics, social studies elective or general elective.

Philosophy H3040
Grade level 11–12. One semester.
Prerequisite: None.

Philosophy is the study of systematic inquiry into basic questions, thoughts and beliefs regarding the human condition. Students will use logic and speculative reasoning to explore for answers and express their understanding of their thoughts and beliefs. The following questions will be examined: who are the great philosophers and what were their beliefs? How does one's philosophy shape their view of the world around them? What is the inherent nature of humankind and knowledge? What is the relationship between philosophy, religion and the supernatural? What are your beliefs about life and living? How is philosophy passed down through time? What is ideal behavior? How does Eastern philosophy differ from Western philosophy?

Pre-Voc 9–12 . . . . . H3020SP
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed as a transitional skills class for students with an IEP to teach skills that will help students successfully get and keep a job. Students will learn about the job market, how to look for a job, interviewing skills, career decision making, self-determination skills and more. Students will be able to match their interests and aptitude with a chosen career path. This course is repeatable 10 times and may be counted as .5 credit of economics, social studies elective or general elective.

Psychology 1 . . . . . H3685
Grade level 11–12. One semester.
Prerequisite: None.

Psychology is the scientific study of human behavior from early childhood through old age. Students will explore how an organism's physical state, mental state and external environment affect behavior and the mental processes. Sample topics include: how people learn, think, feel and behave; how developmental stages are important in the human life cycle; how self-concept is developed through relationships with parents, peers and culture; and how brain functions are affected by environmental conditions.

Psychology 1 Online H3685OL
Grade level 11–12. One semester.
Prerequisite: None.

This is an online course. Psychology is the scientific study of human behavior from early childhood through old age. Students will explore how an organism's physical state, mental state and external environment affect behavior and the mental processes. Sample topics include: how people learn, think, feel and behave, how developmental stages are important in the human life cycle, how self-concept is developed through relationships with parents, peers and culture, and how brain functions are affected by environmental conditions.

Psychology 2 . . . . . H3686
Grade level 11–12. One semester.
Prerequisite: Psychology 1.

This course continues the study of the human mind and behavior by shifting the focus to the individual. Students will investigate the interactions of an individual with other people, how a person copes with stress, the causes of psychological disorders and the treatments of these disorders.

Advanced Placement Psychology H3687
Grade level 11–12. Two semesters.
Prerequisite: None.

This year-long course is designed to introduce the highly motivated student to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are introduced to the psychological facts, principles and phenomenon associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. Topics include: the history of psychology, contemporary approaches to behavior, how to understand one's own behavior, strategies for dealing with life experiences and how to apply psychological principles to society.

Advanced Placement Psychology Online H3687OL
Grade level 11–12. Two semesters.
Prerequisite: None.

This year-long online course is designed to introduce the highly motivated student to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are introduced to the psychological facts, principles and phenomenon associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. Topics include: the history of psychology, contemporary approaches to behavior, how to understand one's own behavior, strategies for dealing with life experiences and how to apply psychological principles to society.

Social Skills Development 9–12 . . . . . H9909SP
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed for students with an IEP in learning a comprehensible approach to generalizing social skills, specifically: requesting, initiating and responding to peers, and/or adults, across various environments, both school and community based. Individual needs and concerns will be addressed on a student-by-student basis. This course is repeatable 10 times for .5 social studies credit or general elective credit.

Social Skills Development 9–12 AC H9909LS
Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed for students with an IEP and enrolled in a Life Skills class in learning a comprehensible approach to

generalizing social skills, specifically: requesting, initiating and responding to peers, and/or adults, across various environments, both school and community based. Individual needs and concerns will be addressed on a student-by-student basis. Alternate curriculum for students enrolled in a Life Skills class. This course is repeatable 10 times for .5 social studies credit or general elective credit.

Sociology H3045

Grade level 11–12. One semester.
Prerequisite: None.

Sociology is a study of how human behavior is shaped by the groups to which we belong. Students will examine patterns of social life, make predictions about behavior and investigate other cultures. Sample questions in Sociology include: what roles do families play? What role does money play in creating groups in society? How do schools and other social institutions shape human behavior? Why do people join gangs?

Sociology Online H3045OL

Grade level 11–12. One semester.
Prerequisite: None.

Sociology is the study of how human behavior is shaped by the groups to which we belong. In this online course students will examine patterns of social life, make predictions about behavior and investigate other cultures. Sample questions in Sociology include: What roles do families play? What role does money play in creating groups in society? How do schools and other social institutions shape human behavior? Why do people join gangs?

Twentieth Century American Eras. H3556

Grade level 11–12. One semester.
Prerequisite: None.

This course is an in-depth study of specific time periods and themes in U.S. history over this past century. A major goal of this course is to understand how life today is related to previous life experiences. Sample topics in this course include: the Cold War, the Sixties, the Roaring Twenties, the Depression and the Civil Rights Era.

United States Military History H3230

Grade level 11–12. One semester.
Prerequisite: None.

This course will examine the origin and growth of U.S. military forces. Sample topics will include: leaders and strategies, successes and failures, allies and enemies, women and minorities and air, sea and ground forces.

Westward Movement H3235

Grade level 11–12. One semester.
Prerequisite: None.

Westward Movement is a course that studies the frontier history and geography of the U.S. as a young nation expands from coast to coast. Sample topics in Westward Movement include: Native American cultures and histories; life on the Kentucky frontier (e.g. Daniel Boone, splitting wood and salt pork); men and women of the frontier; Native American and settlers views of each other; treatment of Native Americans; Louisiana Purchase and explorers of the territory; Texas independence, annexation and the Alamo; cultural diversity in the west; gold rushes, cowboys/girls; cattle drives and cowtowns.

Women's History H3527

Grade level 11–12. One semester.
Prerequisite: None.

Women's History is a course where students explore current issues of women, their major achievements and the historical impact women have had on humanity. Sample topics in Women's History are: the changing roles of women and their social, marital, economic and legal-political status; the roles of men; the agendas and accomplishments of selected women leaders; issues that affect women (e.g. violence, poverty, education, equal opportunity); and challenges and legacies of women throughout history.

WORLD LANGUAGES

AMERICAN SIGN LANGUAGE

American Sign Language I. H4905

Grade level 9-12. Two semesters
Prerequisite: None

The students will develop a vocabulary of approximately 1200 signs. Students will focus on mastering the basics of fingerspelling, numbers, colors, facial grammar, and sentence structure. Students will also learn conversational/cultural behaviors necessary to hold a beginning-level conversation in ASL, with Deaf users of the language. A basic understanding of Deaf culture will also be presented, along with basic ASL literature, to provide students with a broad picture of language and culture.

American Sign Language II H4907

Grade level 9-12. Two semesters
Prerequisite: American Sign Language I or teacher approval.

The students will increase their proficiencies in the skills which they learned in ASL I. Students will continue to focus on fingerspelling, numbers, facial grammar, and sentence structure. Students will further develop the conversational/cultural behaviors necessary to hold a beginning-level conversation. Mastery of grammatical concepts and language structures learned in ASL I will be emphasized and refined. A more in-depth understanding of ASL literature will be presented as well as additional cultural information to aid student development of awareness and appreciation for the unique linguistic relationship between language and culture among the Deaf who use ASL to communicate.

American Sign Language III. H4909

Grade level 9-12. Two semesters
Prerequisite: American Sign Language II or teacher approval.

The students will learn intermediate level vocabulary for communication with Deaf individuals, learning how to express abstract concepts in ASL. Students will apply their knowledge of the linguistic components of ASL in a variety of interactive situations both receptively and expressively. Knowledge of English idioms and multiple English synonyms will be expanded. Culture connotations of common signs and phrases will be emphasized. Students will understand concepts and issues related to Deaf culture, Deaf history, and the Deaf community. Course includes receptive and expressive readiness activities, sign vocabulary, ASL grammatical structure, receptive and expressive finger spelling, conversational behaviors and various aspects of Deaf culture.

American Sign Language IV H4910
Prerequisite ASL III & teacher recommendation

The students will continue development of expressive and receptive skills learned in ASL I, II, & III. Students will continue study and performance of forms of ASL literature and continue to analyze complex grammatical structures. They will explore concepts of linguistics as it relates to variations in ASL and emphasize current research as well as fieldwork. Students will also experience the language outside the classroom through interaction with the Deaf community. This course is designed to build student vocabulary, develop greater fluency in expressive signing, and develop confidence in receptive skills.

FRENCH

French I (novice low) H4421
Grade level 9–12. Two semesters.
Prerequisite: None.

Students learn to exchange information in simple terms about topics relating to themselves, their family and their leisure activities in French. They will be introduced to the culture of French-speaking countries and regions. The emphasis is on vocabulary development and elementary grammatical structures. The main goal of this course is to progress toward a novice-level ability in using French in school and the community.

French I Online (novice low) H4421OL
Grade level 9–12. . Two semesters.
Prerequisite: None

Students learn to exchange information in simple terms about topics relating to themselves, their family and their leisure activities in French. They will be introduced to the culture of French-speaking countries and regions. The emphasis is on vocabulary development and elementary grammatical structures. The main goal of this course is to progress toward a novice-level ability in using French in school and the community.

French II (novice mid) H4431
Grade level 9–12. Two semesters.
Prerequisite: French I.

Building on what was learned in Level I, students expand their ability to speak, read, write and listen in French. The emphasis is on continued vocabulary development and the acquisition of additional simple grammatical structure. There will be many opportunities to converse and write stories in French about familiar topics. Students begin applying their French language skills to communicate in basic real-life situations. They also continue to learn about the culture of French-speaking people. The goal of this course is for students to function at a mid-novice to high-novice level of proficiency.

French II Online (novice mid) H4431OL
Grade level 9–12. . Two semesters.
Prerequisite: French I

Building on what was learned in Level I, students expand their ability to speak, read, write and listen in French. The emphasis is on continued vocabulary development and the acquisition of additional simple grammatical structure. There will be many opportunities to converse and write stories in French about familiar topics. Students begin applying their French language skills to communicate in basic real-life situations. They also continue to learn about the culture of French-speaking people. The goal of this course is for students to function at a mid-novice to high-novice level of proficiency.

French III (novice high to intermediate low) H4441
Grade level 9–12. Two semesters.
Prerequisite: French II

Students exchange information and begin to share opinions about themselves, their school and community. They expand their vocabulary and learn increasingly complex grammatical structures needed for more sophisticated communication. Students use technology and media to gather cultural information and learn about current events. This course is tailored to the low-intermediate level of proficiency in French.

French III Online H4441OL
(novice high to intermediate low)
Grade level 9–12. Two semesters.
Prerequisite: French II

Students exchange information and begin to share opinions about themselves, their school and community in this online class. They expand their vocabulary and learn increasingly complex grammatical structures needed for more sophisticated communication. Students use technology and media to gather cultural information and learn about current events. This course is tailored to the low intermediate level of proficiency in French.

French IV (intermediate mid to intermediate high) H4451
Grade level 9–12. Two semesters.
Prerequisite: French III.

Building on what was learned in Level III, students work with an increased number of authentic listening and reading materials. They learn to describe, explain, summarize and express opinions in detail. Students can discuss current events and give topical cultural reports in French. Emphasis will be on learning idiomatic expressions and more detailed grammatical concepts. The goal for this course is for students to be able to function at a mid-intermediate to high-intermediate level of proficiency.

French V (Intermediate high to pre-advanced). H4461
Grade level 9–12. Two semesters.
Prerequisite: French IV.

Students continue their development of communication skills

through various media, which may include literature, art, music, film, history or current events. This can be an individualized course defined by student needs and interest in French. The goal for this course is to meet the students' desires to advance in their acquisition of communication skills, cultural understanding and personal growth.

Advanced Placement French Language and Culture (pre-advanced) . . . H4471

Grade level 11–12. Two semesters.
Prerequisite: French IV, V, or teacher recommendation.

The goal of this course is to prepare each student to take the annual AP French Language exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

Advanced Placement French Language and Culture Online (pre-advanced) H4471OL

Grade level 11–12. Two semesters.
Prerequisite: French IV, V, or teacher recommendation.

The goal of this online course is to prepare each student to take the annual AP French Language exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

GERMAN

German I (novice low) H4221

Grade level 9–12. Two semesters.
Prerequisite: None.

An introduction to the German language and culture. The emphasis is on listening with understanding, speaking with clarity, reading and writing. Instruction begins with situation dialogues. Deductive analysis is used to lead to grammatical principles, but the emphasis is on vocabulary development. Students in their course learn to exchange information in simple terms about every day experiences. Students identify the countries where German is spoken, as well as current events in those countries.

German I Online (novice low) H4221OL

Grade level 9–12. Two semesters.
Prerequisite: None.

This online course is an introduction to the German language and culture. The emphasis is on listening with understanding, speaking with clarity, reading and writing. Instruction begins with situation dialogues. Deductive analysis is used to lead to grammatical principles, but the emphasis is on vocabulary development. Students in their course learn to exchange information in simple terms about every day experiences. Students identify the countries where German is spoken, as well as current events in those countries.

German II (novice low to novice high) H4231

Grade level 9–12. Two semesters.
Prerequisite: German I.

Emphasis is further vocabulary development and includes increased writing practice. Additional points of grammar are introduced. Students give oral reports and refine their discussions of their daily lives. Students continue to learn about the culture of the German people, which may include famous figures from history as well as aspects of modern life in Germany, which could include sports or entertainment personalities and popular pastimes. Current events in the German speaking world are discussed.

German II Online (novice low to novice high) H4231OL

Grade level 9–12. Two semesters.
Prerequisite: German I.

This online course emphasizes further vocabulary development and includes increased writing practice. Additional points of grammar are introduced. Students give oral reports and refine their discussions of their daily lives. Students continue to learn about the culture of the German people, which may include famous figures from history as well as aspects of modern life in Germany, which could include sports or entertainment personalities and popular pastimes. Current events in the German speaking world are discussed.

German III (novice high to intermediate low). H4241

Grade level 9–12. Two semesters.
Prerequisite: German II.

Continues to develop and perfect the four skills: listening, speaking, reading and writing, with more emphasis on German literature, history and culture. Grammatical elements are reviewed on a more advanced level and are incorporated into conversations and compositions on a broad spectrum of topics.

German IV (intermediate mid to intermediate high) H4251

Grade level 9–12. Two semesters.
Prerequisite: German III.

Increased emphasis is placed on reading and writing communications. Concentration may be directed toward reading and discussing German literature from classical material to contemporary works. Main events of German history may be covered as well as one or more interdisciplinary thematic units.

German V (intermediate low to pre-advanced low). H4261

Grade level 9–12. Two semesters.
Prerequisite: German IV.

This is an individualized course designed to strengthen grammatical weaknesses and perfect oral skills. Materials are selected according to student interest. Advanced placement programs are possible at this level.

Advanced Placement German Language and Culture H4271

(intermediate to pre-advanced)
Grade level 11–12. Two semesters.
Prerequisite: German IV or teacher recommendation.

The goal of this course is to prepare each student to take the annual AP German Language Exam. Designed to provide stu-

dents with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

GERMAN IMMERSION

German Immersion: Contemporary Youth and Culture H4280

Grade level 9–12. Two semesters.
Prerequisite: Participation in the German Immersion Program Grades 1-8, or teacher recommendation.

Designed specifically for advanced students of German, this course, through in-depth thematic study, will compare and contrast various aspects of the modern German-speaking world with their own, and in turn, gain a better understanding of themselves and the world in which they live. Themes include family life, youth culture, leaders and heroes, music, environment, and modern society.

German Immersion: Germany–Past and Present H4283

Grade level 9-12. Two semesters.
Prerequisite: Participation in the German Immersion Program Grades 1-8, or teacher recommendation.

This advanced German course is designed specifically for high school students who have completed the K-9 German immersion program or students who have achieved an advanced level of German. This course is designed as a capstone course in the K-12 German immersion continuum, offering students the opportunity to explore in-depth complexity of German history up to modern times. While the focus will be on the 20th century to today, additional other components of German/European history will be integrated to inform modern thought. The goal of this course it to build and maintain a high level of proficiency in German while being immersed in German history. The course is taught exclusively in German and students are required to speak only German in class.

German Immersion: Perspectives on German Culture through Literature, Film, and Media H4281

Grade level 9-12. Two semesters
Prerequisite: Participation in the German Immersion Program grades 1-9, or teacher recommendation.

This advanced German course is designed specifically for high school students who have completed the K-9 German immersion program or students who have achieved an advanced level of German. Through in-depth thematic study, this course will compare/contrast various aspects of contemporary German youth literature with classic German youth literature. Students will in turn, gain a better understanding of themselves and the world in which they live. Themes include family life, youth culture, utopic and dystopic societies and environment and modern society. Modern media and film sources will also be studied in the course. The goal of the Jugendliteratur course is to build and maintain a high level of proficiency in German. Thus, the course is taught in exclusively in German and students are required to speak only German in class.

JAPANESE

Japanese I (novice low to novice mid) H4721

Grade level 9–12. Two semesters.
Prerequisite: None.

The emphasis of this course is on the ability to communicate orally, emphasizing vocabulary development and basic language functions. The two kana syllabaries, hiragana and katakana, along with some basic characters, are taught in this course. Students will use the language to exchange information about topics relating to themselves, their families and their leisure activities. A general introduction to Japanese culture is also integrated throughout this course.

Japanese II (novice high) H4731

Grade level 9–12. Two semesters.
Prerequisite: Japanese I.

This course builds on the study of basic vocabulary and grammatical structures from Japanese I. In the area of written communication, utilization of Kana (hiragana and katakana) continues. Approximately 25-50 kanji (Chinese characters) are also introduced. Students will use the language to exchange information about topics relating to geography, friends, weather, seasons and lifestyles. Students participate in dialogues about familiar situations and use less simple patterns. They read familiar material and write short, directed compositions. Japanese customs, beliefs and aspects of contemporary and traditional culture are also integrated throughout this course.

Japanese III (novice high to intermediate low) H4741

Grade level 9–12. Two semesters.
Prerequisite: Japanese II.

Students continue to develop proficiency in listening, speaking, reading and writing. They expand their vocabularies and learn more complex language functions to communicate in more sophisticated ways. Oral and written tasks will integrate Level I and Level II topics, with a wider array of communicative topics. Consistent with all topics, students negotiate conversations, engage in limited discourse and demonstrate socio-cultural appropriateness. Students demonstrate an ability to recognize and produce an additional 25-50 kanji (Chinese characters). Topics related to Japan's history, contemporary and traditional culture, as well as current events are integrated throughout this course.

Japanese IV (intermediate low to intermediate mid) H4743

Grade level 9–12. Two semesters.
Prerequisite: Japanese III.

Students develop more sophisticated communication skills and refine their reading and writing skills. In writing and reading, the number of kanji is increased. Students write short compositions based on individual experiences or reading materials and making oral or written presentations on assigned topics. Cultural topics, such as a survey of Japanese history, are integrated throughout this course.

Japanese V (intermediate) H4745
Grade level 9–12. Two semesters.
Prerequisite: Japanese IV.

Students continue the study of the Japanese language by completing the study of basic grammar, by learning new vocabulary and by preparing creative works in writing. They progress to use more complex sentences using abstract vocabulary. Reading selections of increased difficulty will be incorporated for readings and discussions. In writing and reading, the number of kanji (Chinese characters) increases. Cultural topics, such as the relationship with people with nature, the conduct of business, major historical events and the ties with the United States, are integrated throughout this course.

Advanced Placement Japanese Language and Culture H4746AP
(intermediate low to intermediate mid)
Grade level: 11–12
Prerequisite: Japanese II, IV, V, Japanese for Fluent Speakers II, IV or teacher recommendation.

This course is comparable to a college/university Japanese language course and supports students as they develop the productive, receptive and cultural skills necessary to communicate with native speakers of Japanese. Students will study Japanese through content-based themes such as Japanese history, tradition, contemporary culture and social issues. This course prepares students for the annual Advanced Placement Japanese Language and Culture Exam and is conducted exclusively in Japanese.

JAPANESE IMMERSION

Japanese for Fluent Speakers I H4790
Grade level 9. Two semesters.
Prerequisite: Participation in the Japanese Immersion Program Grades 1-8, or teacher recommendation.

This course uses students' broad vocabulary base, proficiency with basic communicative structures and mastery of the hiragana and katakana syllabaries, as well as several hundred kanji (Chinese characters) to focus on oral communication. Students will apply familiar grammar functions to new communicative tasks, as well as cement proper usage of latent grammar function skills. Students will use new vocabulary and grammar functions to learn about and express opinions about topics such as tourism in Alaska, Japanese vs. American peers and Japanese customs and beliefs. Both oral and written communication will be conducted exclusively in Japanese.

Japanese for Fluent Speakers II H4792
Grade level 10. Two semesters.
Prerequisite: Japanese for Fluent Speakers I or teacher recommendation.

This course builds on students' ability to use the basic communicative structures presented in JFS 1/2. The course emphasizes continued vocabulary development and development of communicative functions to enhance oral communication skills. Kanji (Chinese characters) for production and recognition are increased. The themes of tradition vs. change and comparative cultures are used to learn about topics such as: images in the Japanese media, sumo and the role of family. Students use a variety of written and oral resources to learn and express their opinions about various topics. Both oral and written communication will be conducted exclusively in Japanese.

Japanese for Fluent Speakers III H4794
Grade level 11–12. Two semesters.
Prerequisite: Japanese for Fluent Speakers II or teacher recommendation.

This course builds vocabulary, grammatical structures and socio-cultural understanding presented in JFS 3/4. This course emphasizes continued vocabulary development and development of communicative functions to enhance oral communication skills. Kanji (Chinese characters) for production and recognition are increased. Students use Japanese to deepen their understanding of Japanese history, with specific focus on the Heian period, the Maiji period, World War II (the road to war, pearl harbor, Hiroshima, Japanese Internment, the changing perceptions of Japan's war involvement) and modern Japan and its ties with the U.S. Students use a variety of written and oral resources to learn and express their opinions about various topics. Both oral and written communication will be conducted exclusively in Japanese.

Japanese for Fluent Speakers IV. H4796
Grade level 11–12. Two semesters.
Prerequisite: Japanese for Fluent Speakers III or teacher recommendation.

This course builds the vocabulary, grammatical structures and socio-cultural understanding presented in JFS 3/III . This course emphasizes continued vocabulary development and development of communicative functions to enhance speaking, listening, reading and writing communication skills. Kanji (Chinese characters) for production and recognition are increased. Students use Japanese to learn about Japanese business, careers involving Japanese and current events. This class also helps prepare student to transition into college-level Japanese courses. Students use a variety of written and oral resources to learn and express their opinions about various topics. Both oral and written communication will be conducted exclusively in Japanese.

LATIN

Latin I H4821
Grade level 9–12. Two semesters.
Prerequisite: None.

This course is designed to introduce the beginning student to the Latin language and Roman culture. The course focuses on the development of reading comprehension. Vocabulary and grammar are studied in the context of reading passages into which cultural information has been integrated. Students learn to pronounce Latin according to accepted convention and simple oral Latin is used to aid students in comprehension. Students will gain some understanding of the effect of Roman civilization on the western world. Word derivations and Latin word elements are also studied to expand the student's vocabulary.

Latin I Online H4821OL
Grade level 9–12. Two semesters.
Prerequisite: None.

This online course is designed to introduce the beginning student to the Latin language and Roman culture. The course focuses on the development of reading comprehension. Vocabulary and grammar are studied in the context of reading passages into which cultural information has been integrated. Students learn to pronounce Latin according to accepted convention and simple oral Latin is used to aid students in comprehension. Students will gain some understanding of the effect of Roman civilization on the western world. Word derivations and Latin word elements are also studied to expand the student's vocabulary.

Latin II H4831

Grade level 9–12. Two semesters.
Prerequisite: Latin I.

The emphasis of Latin II is to continue the development of reading and comprehension skills and the acquisition of a deeper understanding of the similarities and differences between the Roman world and our own. New vocabulary and more grammatical structures are learned as the reading progresses to longer and more complicated passages. Oral Latin is used to help students understand reading selections. The study of Latin word elements continues.

Latin II Online H4831OL

Grade level 9–12. Two semesters.
Prerequisite: Latin I.

The emphasis of Online Latin II is to continue the development of reading and comprehension skills and the acquisition of a deeper understanding of the similarities and differences between the Roman world and our own. New vocabulary and more grammatical structures are learned as the reading progresses to longer and more complicated passages. Oral Latin is used to help students understand reading selections. The study of Latin word elements continues

Latin III H4841

Grade level: 9–12. Two semesters.
Prerequisite: Latin I and II.

Students in this course continue to develop reading and comprehension skills, working primarily with authentic Latin texts. Students are introduced to a variety of genres including histories, orations, poetry, drama and letters. They become acquainted with some major Roman writers of the classical period. Students further refine their understanding of classical mythology and the influence of the Roman World on contemporary culture. Time permitting, students may become acquainted with selections from Medieval Latin.

Latin IV H4851

Grade level: 9–12. Two semesters.
Prerequisite: Latin I, II and III.

Students continue the study of classical Latin using authentic texts. Students learn to scan Latin poetry, to identify the various tropes and figures of speech used in poetry and oration and to appreciate the individual styles of the authors studied. The course may provide students an opportunity to prepare for the AP Examination in Latin and focuses either on Vergis, Aeneid or on the poems of Horace, Ovid and Catullus and the speeches of Cicero. Students may prepare original compositions in Latin including letters, orations and poems.

Advanced Placement Latin H4856AP

Grade level: 11–12. Two semesters.
Prerequisite: Latin III or teacher recommendation.

Students in this course will complete university-level coursework in AP Latin Literature, focusing on selections from The Aeneid of Vergil and Commentarii de Bello Gallico of Julius Caesar. Students will critically analyze works for form and content. Students will participate actively in discussions on literary topics to prepare for the Advanced Placement Latin Exam.

MANDARIN CHINESE

Mandarin Chinese I (novice low to novice mid). H4321

Grade level 9–12. Two semesters.
Prerequisite: None.

The emphasis of this course is on the ability to communicate orally, emphasizing vocabulary development and basic language functions. Students will use the language to exchange information about topics relating to themselves, their families and leisure activities. Students will learn basic radicals and stroke order in writing and be introduced to Chinese culture.

Mandarin Chinese I Online. H4321OL

(novice low to novice mid)
Grade level 9–12. Two semesters.
Prerequisite: None.

The emphasis of this online course is on the ability to communicate orally, emphasizing vocabulary development and basic language functions. Students will use the language to exchange information about topics relating to themselves, their families and leisure activities. Students will learn basic radicals and stroke order in writing and be introduced to Chinese culture.

Mandarin Chinese II (novice high) H4323

Grade level 9–12. Two semesters.
Prerequisite: Mandarin Chinese I.

This course builds on the study of basic vocabulary and grammatical structures from Chinese I. Students will transfer from dependence on the romanized system, pinyin, to reading and writing the Chinese characters. Students will initiate and sustain short conversations on simple topics in everyday situations, recognize future and past references and speak the language with increased confidence and clearer articulation. Chinese customs, beliefs and aspects of contemporary and traditional culture are also integrated throughout this course.

Mandarin Chinese II Online (novice high) H4323OL

Grade level 9–12. Two semesters.
Prerequisite: Mandarin Chinese I.

This online course builds on the study of basic vocabulary and grammatical structures from Chinese I. Students will transfer from dependence on the romanized system, pinyin, to reading and writing the Chinese characters. Students will initiate and sustain short conversations on simple topics in everyday situations, recognize future and past references and speak the language with increased confidence and clearer articulation. Chinese customs,

beliefs and aspects of contemporary and traditional culture are also integrated throughout this course.

Mandarin Chinese III. H4325
(novice high to intermediate low)
Grade level 9–12. Two semesters.
Prerequisite: Mandarin Chinese II.

Students continue to develop communicative proficiency in Chinese and expand their ability to write in Chinese, from simple words to paragraph descriptions of pictures and short essays. Students will develop a better understanding of the cultural implications of the Chinese language in communication through the study of selected readings of authentic Chinese materials.

Mandarin Chinese IV H4327
(intermediate low to intermediate mid)
Grade level 9–12. Two semesters.
Prerequisite: Mandarin Chinese III.

Students develop more sophisticated communication skills and refine their reading and writing skills. Students will be exposed to Chinese television, plays and contemporary Chinese literature. Students will make oral and/or written presentations on assigned topics exclusively in the target language.

Mandarin Chinese V (intermediate). H4329
Grade level 9–12. Two semesters.
Prerequisite: Mandarin Chinese IV.

Students continue the study of Chinese language through expanded vocabulary, more complex sentence structures and authentic reading selections. Students will increase their skills in creative writing and speaking. Cultural topics related to Chinese culture and history will be integrated throughout the course.

Advanced Placement Mandarin Chinese Language and Culture (intermediate to pre-advanced) H4331
Grade level 11–12. Two semesters.
Prerequisite: Mandarin Chinese IV or teacher recommendation.

The goal of this course is to prepare each student to take the annual AP Mandarin Chinese Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

RUSSIAN

Russian I (novice low) H4621
Grade level 9–12. Two semesters.
Prerequisite: None.

Students learn to exchange information in simple terms about topics relating to themselves and their family in Russian. They will be introduced to the geography and culture of Russia. Students will master the Cyrillic alphabet and they will present short dramatizations of skits, songs, or poetry. The emphasis is on vocabulary development and simple grammatical structures. The main goal is for students to progress toward a novice-level ability in using Russian in school and the community.

Russian II (novice low to novice mid). H4631
Grade level 9–12. Two semesters.
Prerequisite: Russian I.

This course builds on the novice level. Students expand their ability in reading, speaking, writing and listening and extend their vocabulary on topics of everyday experiences. They continue to acquire simple grammatical structures as needed for meaningful communication. Students progress toward a novice-high level of ability.

Russian III (novice mid to novice high) H4641
Grade level 9–12. Two semesters.
Prerequisite: Russian II.

Students exchange and begin to share opinions about themselves, their school and community. Students use technology to communicate in Russian. They use Russian media to gather information. They are able to retell traditional Russian stories orally and in writing. Students begin to work at the low intermediate ability level in Russian.

Russian IV (novice high to intermediate low) H4651
Grade level 9–12. Two semesters.
Prerequisite: Russian III.

Students compare common courtesies and non-verbal cues in Russian. They learn to describe concerns and express dis/satisfaction with products or services. They exchange information on past and future plans and experience songs, literature and art enjoyed by their Russian peers. Students present short plays and skits and prepare audio or video projects. They continue to progress through the intermediate level of ability.

Russian V (novice high to intermediate mid). H4653
Grade level 9–12. Two semesters.
Prerequisite: Russian IV.

Students define their needs and interests in further study of Russian. They continue to learn about the culture of Russia in relation to the situations in which they might find themselves expected to communicate. This is an individualized course which continues the work begun in Russian III and IV. Students are progressing toward an intermediate high level ability in Russian.

RUSSIAN IMMERSION

Russian Immersion: Sovremenaya Molodyoj' i kul'tura
(Contemporary Youth and Culture)
(Intermediate low to Intermediate high)
Современная жизнь и культура H4654
Grade level 9–12. Two semesters.
Prerequisite: Middle School Russian Immersion or teacher recommendation

This course is intended for grade 9 Russian immersion students who are continuing from an ASD middle school Russian immersion program. The focus is to advance students' language skills and content knowledge through themes of interest to young people. Through in-depth thematic study, students will compare and contrast various aspects of the Russian-speaking world with their own, and in turn, gain a better understanding of themselves and the world in which they live. Themes include family life,

youth cultures, leaders and heroes, and multiculturalism and society. This course is conducted exclusively in Russian

Russian Immersion:
Русская литература и СМИ
(Russian Literature and Media) H4655

(intermediate low to intermediate high)
Grade level 9–12. Two semesters
Prerequisite: Russian immersion or teacher recommendation

This course is intended for Grade 10 Russian immersion students. It is aligned with themes used in IB/AP Russian curriculum. Study of Russian and its people, improving Russian language skills and content knowledge through themes that are aligned with AP and IB. Students will read and write using authentic literary works and media: advertising, magazines, newspapers, and film. This course is exclusively in Russian.

Russian Immersion:
Rossia I Alyska: Istoricheskiye svyazi
(Russia and Alaska Historical Perspectives) H4657
(pre-advanced)

Grade level 9-12. Two semesters.
Prerequisite: Russian Immersion or teacher recommendation.

Through advanced study of Russian, students will explore three unique aspects of history, and examine the similarities and connections of the lives, customs, and cultures of northern peoples. The focus is the improve language skills and content knowledge through themes that are aligned with AP and IB courses.

Advanced Placement Russian
Language and Culture (pre-advanced) H4660

Grade level: 11–12. Two semesters. Prerequisite: Russian V, VI, immersion, native speaker or teacher recommendation.

The goal of this course is to prepare each student to take the annual AP Russian Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

SPANISH

Spanish I (novice low) H4021

Grade level 9–12. Two semesters.
Prerequisite: None.

Students begin to learn to communicate orally and in written form. They learn to understand and produce simple expressions and are introduced to the cultures of Spanish speaking countries. The emphasis is placed on vocabulary development and simple grammar. Throughout the course students apply language skills to real-life communication. Students in this course learn to exchange information in simple terms. The main goal for this course is for students to progress towards a novice level ability in using Spanish in school and the community.

Spanish I Online (novice low) H4021OL

Grade level 9–12. Two semesters.
Prerequisite: None.

This is an online course. Students begin to learn to communicate orally and in written form. They learn to understand and produce simple expressions and are introduced to the cultures of Spanish speaking countries. The emphasis is placed on vocabulary development and simple grammar. Throughout the course students apply language skills to real-life communication. Students in this course learn to exchange information in simple terms. The main goal for this course is for students to progress towards a novice level ability in using Spanish in school and the community.

Spanish II (novice mid) H4031

Grade level 9–12. Two semesters.
Prerequisite: Spanish I.

Students continue to expand upon oral and written communications through vocabulary building and grammar advancement. Students in this course learn to understand and produce simple language related to familiar topics. Students also continue to learn about the culture of the Spanish-speaking peoples. The goal of this course is for students to function at a novice-mid to novice-high level of proficiency, depending on their background and to begin to show signs of intermediate-low level of proficiency.

Spanish II Online (novice mid) H4031OL

Grade level 9–12. Two semesters.
Prerequisite: Spanish I.

Students continue to expand upon oral and written communications through vocabulary building and grammar advancement. Students in this online course learn to understand and produce simple language related to familiar topics. Students also continue to learn about the culture of the Spanish-speaking peoples. The goal of this course is for students to function at a novice-mid to novice-high level of proficiency, depending on their background, and to begin to show signs of intermediate-low level of proficiency.

Spanish III (novice high to intermediate low) H4041

Grade level 9–12. Two semesters.
Prerequisite: Spanish II.

Students continue their development of communication skills. Increased emphasis is placed on responding to written and verbal input, as well as continued study of Spanish-speaking cultures. In this course students learn more complex grammar and continue to expand upon vocabulary acquisition in order to satisfy some survival needs and courtesy requirements. The main goal of this course is for students to progress towards an intermediate low level of proficiency.

Spanish III Online H4041OL

(novice high to intermediate low)
Grade level 9–12. Two semesters.
Prerequisite: Spanish II.

Students continue their development of communication skills. Increased emphasis is placed on responding to written and verbal input, as well as continued study of Spanish-speaking cultures. In this online course students learn more complex grammar and continue to expand upon vocabulary acquisition in order to satisfy some survival needs and courtesy requirements. The main goal

of this course is for students to progress towards an intermediate low level of proficiency.

Spanish IV (intermediate mid to intermediate high) H4051
Grade level 9–12. Two semesters.
Prerequisite: Spanish III.

Students will improve in oral and written communication through exposure to thematic/interdisciplinary study. Students will also be introduced to advanced grammar through contextual relevancy. The goal of this course is for students to be able to function at an intermediate mid to intermediate high proficiency level.

Spanish V (intermediate high to pre-advanced). H4061
Grade level 9–12. Two semesters.
Prerequisite: Spanish IV.

Students continue their development of communication skills through various media, which may include literature, art, music, film, history or current events. The goal of this course is to meet the students desires to advance in their acquisition of communication skills, cultural understanding and personal growth.

Advanced Placement Spanish Language and Culture (pre-advanced) H4071
Grade level: 11–12. Two semesters.
Prerequisite: Spanish V, VI, native speaker or teacher recommendation.

The goal of this course is to prepare each student to take the annual AP Spanish Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

AP Spanish Language Online H4071OL
Grade level 11–12. . Two semesters.
Prerequisite: Spanish AP, V, VI, native speaker or teacher recommendation

The goal of this online course is to prepare each student to take the annual AP Spanish Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

Spanish for Fluent Speakers I H4090
(pre-advanced)
Grade level 9–12. Two semesters.
Prerequisite: Native speaker of Spanish.

Students who have already developed a high level of oral/aural language proficiency in Spanish will have an opportunity for more concentrated language development in Spanish through writing, vocabulary expansion and literature. This course will meet the specific needs of both English-speaking and Spanish-speaking students. Students whose second language is Spanish will be able to refine their literacy skills and communicate with native speakers. Students whose first language is Spanish will strengthen and refine their literacy skills, develop problem-solving skills and increase their self-esteem entirely in their primary language. The skills they develop will transfer to their acquisition of English as a second language.

Spanish for Fluent Speakers II H4092
Grade level 10–12. Two semesters.
Prerequisite: Spanish for Fluent Speakers I or teacher recommendation.

This course builds on students' ability to use the basic communicative structures presented in SFS I. The course emphasizes continued vocabulary development and development of communicative functions to enhance oral communication skills.

SPANISH IMMERSION

Spanish Immersion: Vistas Juveniles del Mundo Hispano H4094
(Intermediate low to intermediate high)
Grade level 9–12. Two semesters.
Prerequisite: Middle School Spanish Immersion or Spanish III or teacher recommendation.

This course is intended for grade 9 Spanish immersion students who are continuing from an ASD middle school Spanish immersion program. The focus is to advance students' language skills and content knowledge through themes of interest to young people. Through in-depth thematic study, students will compare and contrast various aspects of Hispanic culture with their own, and in turn, gain a better understanding of themselves and the world in which they live. Themes include families, ecology, immigration, heroes and leaders, myths and legends, and youth. This course is conducted exclusively in Spanish.

Spanish Immersion: Perspectivas Literarias H4065
(intermediate low to intermediate high)
Grade level 10–12. Two semesters
Prerequisite: Spanish Immersion: Vistas Juveniles del Mundo Hispano, Spanish V or teacher recommendation.

This course is intended for students continuing in the Spanish immersion program and heritage Spanish speakers. Students will refine their Spanish language with an emphasis on literacy skills. Students red and discuss current and past authors' work that include various genres of literature including letter writing, poetry, drama, biography, autobiography, periodicals, journal writing, fiction narrative, non-fiction narrative and short story. This course is conducted exclusively in Spanish.

Spanish Immersion: Estudios Latinoamericanos. H4096
(intermediate mid to pre-advanced)
Grade level 10–12. Two semesters.
Prerequisite: Spanish Immersion: Perspectivas Literarias, AP Spanish Language or Literature or teacher recommendation.
One elective Spanish or Social Studies credit, not repeatable.

This course is an integrated study of Latin America and the Spanish language and is intended for students continuing in the ASD Spanish immersion programs. Students in this course will study historical and contemporary issues, including geography,

political events, economics, cultural influences, movement and social change as primary perspectives for studying Latin America, its language and culture. Students will analyze and process primary source information in Spanish. Students will also reinforce and expand their skills in Spanish grammar, vocabulary and fluency through a content-integrated approach. This course is conducted exclusively in Spanish. This course may be taken for Spanish or social studies elective credit.

GENERAL ELECTIVES

Advanced Mentorship H9985

Grade level 9–12. One semester.
Prerequisites: Certified gifted.

The student is paired with a professional or expert for a set period of time, to study special interests or to meet a need that is not provided for in the regular school program. An outline of activities will be arranged for each individual education plan. May be taken 8 times and either for pass/fail or a letter grade.

Aide . . . . . H9090 (Teacher) H9200 (Office) H9300 (Library) H9400 (Tutor)

Grade level 9–12. One semester.
Prerequisite: Instructor's permission.

Provides meaningful work experience in the field of education. A program will be established cooperatively with the student, the instructor and the department chairperson. The student aide program also provides experience in the following areas: office, guidance office, library and IMC, nurse's office, science labs and tutoring. The student may select the area of interest provided he or she has the approval of the appropriate staff member and the department chairperson. The student may select only one of the above areas in any given semester and may earn no more than one credit per year as a student aide.

AVID-Advancement Via Individual Determination H9981

Grade level 9–12. One semester.
Prerequisite: 2.0-3.5 GPA, student/parent contract, one honors or AP class in schedule or willingness to take class.

The mission of the AVID class is to ensure that all students, especially the least served student in the middle, will succeed in a rigorous curriculum, complete a rigorous college preparatory path, enter mainstream activities of the school, increase their enrollment in four-year colleges and become educated and responsible participants and leaders in a democratic society. AVID students are required to maintain an AVID binder, take Cornell notes in each class, take one college entrance exam each year, complete all homework assignments, commit to studying outside of school each day, participate in community service, attend school, be on time and behave as a good citizen. May be taken 8 times.

Career READY. H9776

Grade Level: 10-12
Prerequisite: None
Academic Credit: .5 Elective

This course focuses on Career Research, Exploration, Analysis and Development for Young Adults. In this online Canvas course, students will gain the information and tools they need to make clear, informed choices about their futures. Throughout the course, students will evaluate their unique strengths and interests, set S.M.A.R.T. goals, investigate a variety of career options through virtual interviews and site tours, as well as explore an array of post-secondary education opportunities. In addition, students will learn about the job application process, write a resume, begin refining the skills necessary for success in workplace, research the job market, and more. Upon completion of the course, students will feel more confident, capable, and prepared to chart the next phase of their lives on their career pathway.

Communicate 9–12 AC 1 . . . . . H9982LS1

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed to support students enrolled in a Life Skills 1 class using alternate curriculum to teach functional communication skills across settings; within school and community. Students will improve their academic, social and work related communication skills as addressed in the IEP. The course is repeatable for general elective credit.

Communicate 9–12 AC 2 . . . . . H9982LS2

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designed to support students enrolled in a Life Skills 2 class using alternate curriculum to teach functional communication skills across settings; within school and community. Students will improve their academic, social and work related communication skills as addressed in the IEP. The course is repeatable for general elective credit.

Community Involvement H9960

Grade level 10–12. One semester. Online course, open enrollment.
Prerequisite: Active participation in a community service program, parental permission and instructor's approval.

This course is designed to promote social and emotional learning for students involved in school-based community service while further developing their leadership and facilitation skills. Participating students will be expected to serve 60 hours of community service, attend 20 hours of facilitation training, complete reading response assignments, participate in a collaborative journaling and design and implement a service learning project. Since this is an open enrollment course, it is not a course that can be included for calculating eligibility or full-time student status. Students will have two consecutive semesters to complete all coursework to be eligible for a .5 Elective credit. May be repeated 4 times.

Independent Study . . . . . Varies

Grade level 10–12. One semester.
Prerequisite: See Curriculum Principal for specific course numbers and forms. This applies to all subject areas.

The program in Independent Study is for the student who has the self-discipline and interest for work. Each student will design the course of study according to choice, interest, ability and intent in relation to the school's philosophy and policies. Independent Study promotes self-reliance, initiative and intense inquiry without a structured classroom situation. It is available to any student who can meet the requirements for enrollment. Independent Study for credit, must be initiated by the student. The student

should decide on a program to follow and write a project proposal which will include an outline or description of those items included in the Independent Study Course Proposal Form. Student must work under the direction of an in-house certificated teacher.

Lead Facilitator for Transitions H9413

Grade level 9–12. One semester.
Prerequisite: Application required.

This is a class where students design and lead experientially-based lessons aimed at helping students who are new to their schools to transition successfully to their school and learn skills instrumental in aiding their future life transitions. The course may be repeated once for elective credit.

Math Peer Tutor. H9402

Grade level 11–12. One semester.
Prerequisite: Must have completed Algebra I and Geometry with a grade of A or B and must be recommended by their current math instructor or the math department chair.

The Math Peer Tutor will work under the guidance of the classroom teacher and work with students during their math class to help "fill in the gaps" that impede their math progress. The specific goals for the tutor are to provide the student enrolled in the math course a means for regaining control of their math performance and learning, encourage the math students to become intellectually independent and responsible learners and help the math students see the "big picture." The course may be repeated four times for elective credit.

Model Facilitator for Transitions H9412

Grade level 9–12. One semester.
Prerequisite: Application required. Successful completion of at least one semester of Lead Facilitator for Transitions class.

The purpose of this course is to provide further training and facilitation skills to those students who have shown exceptional leadership skills as Lead Facilitators for the Transitions class. These students design and lead experientially-based lessons and provide leadership to their fellow facilitators at a more advanced level. The course may be repeated once for elective credit.

Riflery H9780

Grade level 9–12. Quarter/Semester
Prerequisite: Parental permission
General elective credit ONLY. Repeatable for credit.

National Rifle Association indoor qualification course of fire is used. Teaches prone, kneeling and standing position using an air rifle that is provided by the school.

School Government H9701

Grade level 9–12. One year.
Prerequisite: Students who are elected to school government will be members of the class.

This course deals with the problems of government, specifically school government. The class will cover varied areas of social studies; government, economics, sociology and psychology. They will work in the area of establishing a more effective representative government of student bodies. May be taken 8 times.

Senior Strategies H8371

Grade level 11–12. One semester.
Prerequisite: None.
Academic Credit: 1/2 Elective.

The Senior Strategies course prepares students for independent living and responsibilities. Organizational skills, financial management, and consumer awareness will be developed. Students will develop portfolios, filing systems, budgets and plan for long term goals. An introduction to automobile expenses, housing contracts, healthy food decisions and career related skills will enhance the skills students will need for independent living as they leave their secondary schools students will have an opportunity to examine personal relationships, family decisions and the responsibilities associated in these areas.

Student Technology Leader. H9511

Grade level 9–12. One semester. Repeatable for credit
Prerequisite: none

GenYES is a student-centered research-based program for school-wide technology integration. GenYES students work with teachers in their building to design technology-infused lessons. The resulting collaboration provides the students with project-based learning and the teachers with on-site professional development. The GenYES program includes online tools that support student and teacher collaboration and a student-run help desk.

Study Skills 9–12 . . . . . H9920SP

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designated for students with an IEP. Students receive direct instruction in study skill strategies and assignments to reinforce the correct implementation of these skills. Students will also be offered time each day to work on their content area class work. This course may be counted for up to 1.0 English elective credit and then counted as general elective credits.

Work Experience. H8990

Grade level 10–12. Four semesters maximum
Prerequisite: None.

Students may earn a .5 Elective credit for every 112.5 hours they are employed at a supervised, approved site. (During the summer term, a student can earn 1.0 credit for 225 hours of work and 1.5 credits for 337.5 hours.) Hours are documented with pay stubs each time the student receives a pay check. Some additional paperwork and assignments are required. This is a great way to earn elective credit in school while you are earning money at work!

Work Experience 9–12 . . . . . H9805SP

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designated for students with an IEP. The work experience program will grant special education students credit for working and learning on the job. The program grants credit to students that are legally employed and earning a paycheck. Credit may also be granted to students that volunteer with a legitimate non-profit organization or government office. This course is repeatable and students can earn .5 general elective for every 112.5 hours worked. Hours are counted in a semester only and are not carried over from one semester to the next.

Work Experience 9–12 AC 1. . . . . H9805LS1

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designated as a transitional skills class for students with an IEP and enrolled in a Life Skills 1 program. Students will participate in individual and group activities designed to develop and increase vocational skills at the high school level. Emphasis will be on the vocational areas identified on the IEP. This course is repeatable for general elective credit.

Work Experience 9–12 AC 2. . . . . H9805LS2

Grade level 9–12. One semester.
Prerequisite: IEP.

This course is designated as a transitional skills class for students with an IEP and enrolled in a Life Skills 2 program. Students will participate in individual and group activities designed to develop and increase vocational skills at the high school level. Emphasis will be on the vocational areas identified on the IEP. This course is repeatable for general elective credit.

Work Experience Online H9805OL

Grade level 10–12. One semester. Four semesters maximum.
Prerequisite: None.

Work Experience Online is a course that supports students who are employed at a supervised, approved site. Students may earn .5 credit for every 112.5 hours they are employed. 1.0 credit may be earned for 225 hours and 1.5 credits may be earned for 337.5 hours. Hours are documented with pay stubs. Additional paperwork and assignments are required.

Yearbook H9671

Grade level 9–12. One year. No English credit.
Prerequisite: None.

This open elective course provides experience in design, preparation, production and finance of the school yearbook, with emphasis on photography, copy writing and layout. This course demands student responsibility in order to meet publisher's deadlines. Students should expect to spend time outside class on this activity. The course may be offered through any department and does not grant English credit. Students may repeat Yearbook for general elective credit. May be taken 4 times.

ASD VIRTUAL

LANGUAGE ARTS

English I Online. H0120OL
Grade level 9. Required. Two semesters.
Prerequisite: None.

This online course incorporates an integrated approach to the teaching of reading and writing. Students read a variety of fiction and nonfiction world literature with an emphasis on literary analysis, including drawing inferences and analyzing main ideas. Students are taught the writing process and write in varying modes and for different purposes and audiences throughout the year. Grammar and vocabulary skills are integrated throughout each unit.

English I Honors Online H0120HOL
Grade level 9-12. Two semesters.
Prerequisites: None

English 9 Honors is an overview of exemplar selections of literature in fiction and nonfiction genres. Students read short stories, poems, a full-length novel, a full-length Shakespeare play, and two book-length outside readings of their choice. For all readings, students analyze the use of elements of literature in developing character, plot, and theme. For example, in selected stories, students compare the effect of setting on tone and character development. In the poetry unit, students analyze how artists and writers draw from and interpret source material.

Each unit includes informational texts inviting students to consider the historical, social, and literary context of the main texts they study. For example, in the first semester, a Nikolai Gogol story that is offered as an exemplar of magical realism is accompanied by instruction on that genre. Together, the lesson content and reading prompt students to demonstrate their understanding of magical realism by analyzing its qualities in a literary text.

Throughout the course, students respond to others' claims and support their own claims in essays, discussions, and presentations, consistently using thorough textual evidence. Opportunities for self-directed study, including outside readings, open-ended journal entries, and free-form projects, challenge Honors students to use their creativity and critical thinking skills to gain independent mastery of reading and writing. Finally, the range of texts includes canonical authors such as William Shakespeare, Franz Kafka, and Elie Wiesel, as well as writers from diverse backgrounds, such as Alice Walker, Li-Young Lee, and Robert Lake-Thom (Medicine Grizzly Bear).

English II Online. H0122OL
Grade level 10. Required. Two semesters.
Prerequisite: None.

This online course incorporates an integrated approach to the teaching of reading and writing with a focus on world literature. This full-year required course incorporates an integrated approach to the teaching of listening, speaking, reading and writing to meet the Common Core State Standards. Students read a variety of fiction and nonfiction world literature with an emphasis on literary analysis, including drawing inferences and analyzing main ideas; media presentations from a variety of perspectives; and dramatic interpretations from plays and excerpts. Students are taught writing process and write in varying modes and for different purposes and audiences throughout the year. Grammar and vocabulary skills are integrated throughout each unit. The fundamentals of formal speech, both to persuade and inform, are also important elements of this world literature course.

English II Honors Online H0122HOL
Grade level 9-12. Two semesters.
Prerequisites: English 9

The focus of English 10 Honors is the writing process. Three forms of writing guide the curriculum: persuasive, expository, and narrative writing. A typical lesson culminates in a written assignment that lets students demonstrate their developing skill in one of these forms.

English 10 Honors includes at least one anchor text per lesson focused on a thematic core of the capacity of language to influence others. Readings include poems, stories, speeches, plays, and a graphic novel, as well as a variety of informational texts, and these texts are often presented as models for students to emulate as they practice their own writing. The readings represent a wide variety of purposes and cultural perspectives, ranging from the Indian epic The Ramayana to accounts of Hurricane Katrina told through different media. Audio and video presentations enhance students' awareness and command of rhetorical techniques and increase their understanding of writing for different audiences.

English 10 Honors provides opportunities for self-directed study, including outside readings, open-ended journal entries, and free-form projects, all of which challenge Honors students to use their creativity and critical thinking skills to gain independent mastery of reading and writing.

English III Online. H0124OL
Grade level 11. Required. Two semesters.
Prerequisite: None

English III US Literature: This full-year online required course focuses on American literature and how it has helped shape our nation. Students will explore and study great literary works from throughout United States' history including Early American, Civil War, Great Depression and Civil Rights eras. In addition to reading a variety of rich fiction and informational texts, students will improve their writing, critical thinking, speaking, vocabulary, and grammar skills through lessons aligned to the Common Core State Standards. Sharpening their skills through performance tasks such as on demand and extended writing and formal and informal presentations will prepare students to achieve career and college readiness.

English III Honors Online H0124HOL
Grade level 9-12. Two semesters.
Prerequisites: English 10

In English 11 Honors, students examine the belief systems, events, and literature that have shaped the United States. They begin by studying the language of independence and the system of government developed by Thomas Jefferson and other enlightened thinkers. Next, they explore how the Romantics and Transcendentalists emphasized the power and responsibility of the

individual in both supporting and questioning the government. Students consider whether the American Dream is still achievable and examine the Modernists' disillusionment with the idea that America is a "land of opportunity."

Reading the words of Frederick Douglass and the text of the Civil Rights Act of 1964, students look carefully at the experience of African Americans and their struggle to achieve equal rights. In addition, students explore how an individual copes with the influence of war and cultural tension while trying to build and secure a personal identity. Finally, students examine how technology affects our contemporary experience of freedom: Will we eventually change our beliefs about what it means to be an independent human being?

In this course, students analyze a wide range of literature, both fiction and nonfiction. They build writing skills by preparing analytical and persuasive essays, personal narratives, and research papers. Opportunities for self-directed study, including outside readings, open-ended journal entries, and free-form projects, challenge Honors students to use their creativity and critical thinking skills to gain independent mastery of reading and writing. Finally, in order to develop speaking and listening skills, students participate in discussions and prepare speeches. Overall, students gain an understanding of the way American literature represents the array of voices contributing to our multicultural identity.

English IV Online H0126OL

Grade level 12. Required. Two semesters.
Prerequisite: None

English IV is a full year, 12th grade thematic online course including four units of study: Morality, Citizenship, Social Justice, and Nature & Environment. These universal themes are intended to engage students in the critical thinking they must practice to become active participants in their communities. The course meets the Common Core State Standards and focuses on American literature, including seminal U.S. political documents, and world literature, including Shakespeare and other important authors. As the culminating high school English course, the primary writing focus is on expository and argumentative writing, including researched arguments, multimedia presentations, and essays in the major patterns of exposition. Grammar and vocabulary are integrated with the reading, writing, speaking and listening content within each thematic unit in order to ensure instruction of all standards.

English IV Honors Online. H0126HOL

Grade level 9-12. Two semesters.
Prerequisites: English 11

The English 12 Honors course asks students to closely analyze British literature and world literature and consider how we humans define and interact with the unknown, the monstrous, and the heroic. In the epic poems The Odyssey, Beowulf, and The Inferno, in Shakespeare's Tempest, in the satire of Swift, and in the rhetoric of World War II, students examine how the ideas of "heroic" and "monstrous" have been defined across cultures and time periods and how the treatment of the "other" can make monsters or heroes of us all.

Reading Frankenstein and works from those who experienced the imperialism of the British Empire, students explore the notion of inner monstrosity and consider how the dominant culture can be seen as monstrous in its ostensibly heroic goal of enlightening the world.

Throughout this course, students analyze a wide range of literature, both fiction and nonfiction. They build writing skills by composing analytical essays, persuasive essays, personal narratives, and research papers. In order to develop speaking and listening skills, students participate in discussions and give speeches. Overall, students gain an understanding of the way British and world literature represent the array of voices that contribute to our global identity.

Advanced Placement Literature and Composition Online H0146OL

Grade level 11–12. Two semesters.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

This is an online course. Advanced Placement Literature and Composition, a college level course, provides an in-depth study of several major literary works and prepares students for the AP Exam in Literature and Composition, a means of obtaining advanced placement in English at most colleges. Writing is an integral part of the course and exam, and writing assignments focus on the critical analysis of literature and include expository, analytical, and argumentative essays. Reading in this course is both wide and deep, building upon the reading done in previous English courses. Students read works from several genres, including poetry and drama, and periods, from the sixteenth to the twenty-first century.

Advanced Placement Language and Composition Online H0245OL

Grade level 11–12. Two semesters.
Two semesters of this course will fulfill the composition credit required for graduation.
Prerequisite: None.

This is an online course. Advanced Placement Language and Composition is a college level course that assists students in becoming skilled readers of literature and writers who compose for a variety of purposes. This course also prepares students for the AP Exam in Language and Composition, a means of obtaining advanced placement in English at most colleges. An intensive analysis of literature will develop students' awareness of the use of language and influence their writing.

Literature, Film as Online. H0396OL

Grade level 9-12. One semester.
Prerequisites: None

The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.

Gothic Literature Online. H0372OL

Grade level 9–12. One semester.
Prerequisite: None

From vampires to ghosts, these frightening stories have influenced fiction writers since the 18th century. This online course will focus on the major themes found in Gothic literature and demonstrate how the core writing drivers produce, for the reader, a thrilling psychological environment. Terror versus horror, the influence of the supernatural, and descriptions of the difference between good and evil are just a few of the themes presented. By the time students have completed this course, they will have gained an understanding of and an appreciation for the complex nature of dark fiction.

Creative Writing Online H0240OL

Grade levels 9–12. One semester.
Prerequisite: None.

Creative Writing is an English elective course that focuses on the exploration of short fiction and poetry, culminating in a written portfolio that includes one revised short story and three to five polished poems. Students draft, revise, and polish fiction and poetry through writing exercises, developing familiarity with literary terms and facility with the writing process as they study elements of creative writing.

Digital Composition Online H0252OL

Grade level 11–12. One semester.
Prerequisite: None. NOT NCAA APPROVED

The curriculum supports a venue for students to explore and apply knowledge of digital tools and related resources as a means for increased media literacy, written expression and publishing. Students will practice the process and art of composition and then transform select pieces into one of many electronic forms, such as movies, podcasts, blogs, electronic surveys, and websites. Essays, 38 Not all courses in this catalog will be offered at all schools at any one time. articles, and literature selections are integrated throughout the unit plans. A critical review of websites (content and design) is another component of this class, as well as an examination of the ethical responsibilities of electronic publishers

Technical Writing in the 21st Century Online . . H0250OL

Grade level 11–12. One semester.
Prerequisite: None.

This writing course rigorously explores technical writing by studying the conventions and formats of the genre. Students will learn to write more clearly, concisely, and credibly. There will be a review of grammar and punctuation, as well as the rules for sentence construction and document organization. Students will produce products that are practical, user friendly, client driven, and professional. The writing will be business oriented and reflective of real world usage.

Strategic Writing Online H9686OL

Grade levels 9–12. One semester.
Prerequisite: None.

This course is offered as English elective credit for the first semester and general elective credit for succeeding semesters. Strategic Writing is designed to address the literacy needs of students who want to achieve greater writing success in high school and beyond. Assessment data will identify areas for skill and strategy development to allow teachers to individualize and differentiate instruction. Students will write daily to hone skills and develop fluency. Instruction will focus on the writing process, including pre-writing, drafting, revision, and editing. Student will write in various genres and styles; analyze and improve sentence, paragraph, and essay structure; and work on proper grammar, spelling, and punctuation. They will read regularly and use technology tools to support the writing process.

World Mythology Online H0436OL

Grade level 11–12. One semester.
Prerequisite: None.

This is an online course. World Mythology examines the common elements found in myths from a variety of cultures, including the Middle East, Egypt, Africa, Asia, Northern Europe, and the Americas. Students will read ancient texts, plays, epics, poetry and contemporary literature containing allusions to world myths. Topics of study will include the historical and theoretical basis of myths and archetypes, including creation, heroes, monsters, tricksters, and quests. World Mythology will include extensive reading, discussion, creative and analytical writing.

MATH

Algebra Readiness Online H1344OL

Grade level 9–12. One semester.
Prerequisite: This online course can not be taken by students who have successfully completed Pre-Algebra, Survey of Algebra or Algebra A or B, or Algebra I or any higher level math course.

This online course is designed to prepare students for success in an algebra course. The emphasis will be on continued development of pattern recognition, computational skills, elementary algebra topics, and the use of technology.

Honors Algebra I Online H1352HOL

Grade level 9-12. Two semesters.
Prerequisites: Introductory Algebra

Honors Algebra I builds a deep understanding of linear, quadratic, and exponential relationships. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations.

Course topics include an introduction to functions and problem solving, measurement; problem solving with basic equations and formulas, linear equations and systems of linear equations, exponents and exponential functions, sequences and functions, descriptive statistics, polynomials and factoring, quadratic equations and functions, and function transformations and inverses.

This course supports students as they develop computational fluency, build conceptual understanding, and apply mathematical practice skills. Students begin each lesson by discovering new concepts through guided instruction, then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world scenarios and mathematical ideas. In these activities, additional items require Honors students to extend their understanding by answering "what if" questions, thinking abstractly about the mathematics involved, and analyzing the strengths and weaknesses of the model as a reflection of the real-world situation. Performance tasks prepare students to synthesize their knowledge in novel, real-world scenarios and require that

they make sense of multifaceted problems and persevere in solving them. Honors students are required to go deeper into these investigations; for example, they may be asked to change or validate assumptions, add constraints, or extend the project. Journal activities allow students to reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. Throughout the course, students are evaluated through a diversity of assessments specifically designed to prepare them for the content, form, and depth of high-stakes assessments.

Honors Algebra II Online H1377HOL

Grade level 9-12. Two semesters.
Prerequisites: Algebra I

Honors Algebra II introduces students to advanced functions, with a focus on developing a strong conceptual grasp of the expressions that define them. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations.

Course topics include quadratic equations, polynomial functions, rational expressions and equations, radical expressions and equations, exponential and logarithmic functions, trigonometric identities and functions, modeling with functions, probability and inferential statistics, probability distributions, and sample distributions and confidence intervals.

This course supports all students as they develop computational fluency, deepen conceptual understanding, and apply mathematical practice skills. Students begin each lesson by discovering new concepts through guided instruction, then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world scenarios and mathematical ideas. In these activities, additional items require Honors students to extend their understanding by answering "what if" questions, thinking abstractly about the mathematics involved, and analyzing the strengths and weaknesses of the model as a reflection of the real-world situation. Performance tasks prepare students to synthesize their knowledge in novel, real-world scenarios and require that they make sense of multifaceted problems and persevere in solving them. Honors students are required to go deeper into these investigations; for example, they may be asked to change or validate assumptions, add constraints, or extend the project. Journal activities allow students to reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. Throughout the course, students are evaluated through a diversity of assessments specifically designed to prepare them for the content, form, and depth of the high-stakes assessments.

Algebra I Online H1352OL

Grade level 9–12. Two semesters.
Prerequisite: First semester enrollment requires at least one of the following:

1. **A grade of "C" or better in 8th grade math.**
2. **A grade of "C" or better in Pre-Algebra.**
3. **Recommendation or approval of student's most recent math instructor or math department chairperson.**

The prerequisite for the second semester of Algebra I is the successful completion of the first semester or consent of instructor or math department chairperson. Students who have successfully completed Algebra B or Survey of Algebra can NOT take Algebra I.

This online course reviews and extends problem solving, data analysis, the use of technology (i.e., scientific calculator, graphing calculator, computer), the theory, use and understanding of the fundamental operations on real numbers, expressing quantitative statements in the language of algebra, solving equations and inequalities, polynomials, the use of rational expressions in equations, coordinate graphing, irrational numbers, solution of quadratic equations and related applications.

Algebra II Online H1377OL

Grade level 9–12. Two semesters.
Prerequisite: A grade of "C" or better in Algebra I and Geometry or consent of previous mathematics instructor and/or math department chairperson. The prerequisite for the second semester of Algebra II is the successful completion of the first semester or consent of instructor and/or math department chairperson.

This online course includes problem solving, data analysis, the use of technology (i.e., graphing calculator, computer), basic operations with polynomials, solving equations and inequalities, sequences and series, relations and functions, systems of equations in two and three variables, matrices, irrational and complex numbers through the solution of quadratic functions and polynomial functions of higher than first degree and an introduction to logarithms.

Bridge Math Online. H1172OL

Grade levels 9–12. Two semesters.
Prerequisite: Two years of algebra and one year of geometry. . . . .

Bridge Math is a fourth year math course focused on reinforcing core concepts from Algebra I, Geometry and Algebra II. Bridge Math is intended for students who need to review concepts before continuing their studies. It starts with a review of algebraic concepts before moving on to a variety of key algebraic, geometric, statistical, and probability concepts. Course topics include rational and irrational numbers, systems of linear equations, quadratic functions, exponential functions, triangles, coordinate geometry, solid geometry, conditional probability, independence, data analysis, scatterplots, and linear and non-linear models of data.

Foundations for Algebra Online H1021OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Fundamental Math explores foundational concepts in math. Students master basic skills and extend their knowledge as they prepare for more advanced work. Topics include basic number concepts such as whole numbers, counting, place value, rounding, exponents, and negative numbers; addition and subtraction; and multiplication and division. The course also covers fractions, operations with fractions, decimals, percents, ratios, problem solving, basic concepts in geometry, and measuring shapes.

Financial Mathematics Online H1025OL

Grade levels 9–12. One semester.
Prerequisite: Introductory Algebra or equivalent.

Financial Literacy helps students recognize and develop vital skills that connect life and career goals with personalized strate-

gies and milestone-based action plans. Students explore concepts and work toward a mastery of personal finance skills, deepening their understanding of key ideas and extending their knowledge through a variety of problem-solving applications. Course topics include career planning; income, taxation, and budgeting; savings accounts, checking accounts, and electronic banking; interest, investments, and stocks; cash, debit, credit, and credit scores; insurance; and consumer advice on how to buy, rent, or lease a car or house.

Honors Geometry Online H1502HOL

Grade level 9-12. Two semesters.
Prerequisites: Algebra I

Honors Geometry builds upon students' command of geometric relationships and formulating mathematical arguments. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations.

Course topics include reasoning, proof, and the creation of sound mathematical arguments; points, lines, and angles; triangles and trigonometry; quadrilaterals and other polygons; circles; congruence, similarity, transformations, and constructions; coordinate geometry; three-dimensional solids; and applications of probability.

This course supports all students as they develop computational fluency, deepen conceptual understanding, and apply mathematical practice skills. Students begin each lesson by discovering new concepts through guided instruction, then confirm their understanding in an interactive, feedback-rich environment. Modeling activities equip students with tools for analyzing a variety of real-world scenarios and mathematical ideas. In these activities, additional items require Honors students to extend their understanding by answering "what if" questions, thinking abstractly about the mathematics involved, and analyzing the strengths and weaknesses of the model as a reflection of the real-world situation. Performance tasks prepare students to synthesize their knowledge in novel, real-world scenarios and require that they make sense of multifaceted problems and persevere in solving them. Honors students are required to go deeper into these investigations; for example, they may be asked to change or validate assumptions, add constraints, or extend the project. Journal activities allow students to reason abstractly and quantitatively, construct arguments, critique reasoning, and communicate precisely. Throughout the course, students are evaluated through a diversity of assessments specifically designed to prepare them for the content, form, and depth of the high-stakes assessments

Geometry Online. H1502OL

Grade level 9–12. Two semesters.
Prerequisite: A grade of "C" or better in Algebra I or consent of previous mathematics instructor or math department chairperson. The prerequisite for the second semester of Geometry is the successful completion of the first semester or consent of instructor or math department chairperson.
Approved by NCAA

This online course covers the study of plane and three dimensional geometry with emphasis on clarity and precision of language and the logical development of geometric principles in deductive reasoning and proof including work with points, lines, planes, angles, congruent triangles, circles, polygons and transformations.

Integrated Math Online. H1360OL

Grade levels 9–12. Two semesters.
Prerequisite: Introductory or Pre-Algebra.

Mathematics I builds students' command of geometric knowledge and linear and exponential relationships. Students learn through discovery and application, developing the skills they need to break down complex challenges and demonstrate their knowledge in new situations. Course topics include relationships between quantities; linear and exponential relationships; reasoning with equations; descriptive statistics; congruence, proof, and constructions; and connecting algebra and geometry through coordinates.

Liberal Arts Mathematics 1 Online H1173OL

Grade levels 9–12. Two semesters.
Prerequisite: Introductory Algebra.

Liberal Arts Mathematics 1 addresses the need for an elective course that focuses on reinforcing, deepening, and extending a student's mathematical understanding. Liberal Arts Mathematics 1 starts with a review of problem-solving skills before moving on to a variety of key algebraic, geometric, and statistical concepts. Throughout the course, students hone their computational skills and extend their knowledge through problem solving and real-world applications.

Liberal Arts Mathematics 2 Online H1174OL

Grade levels 9–12. Two semesters.
Prerequisite: Liberal Arts Mathematics 1.

Liberal Arts Mathematics 2 addresses the need for a course that meets graduation requirements and focuses on reinforcing, deepening, and extending a student's mathematical understanding. Liberal Arts Mathematics 2 starts with a review of algebraic concepts before moving on to a variety of key algebraic, geometric, statistical and probability concepts. Throughout the course, students hone their computational skills and extend their knowledge through problem solving and real-world applications.

Math 9-12 Online. H1170OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Math Foundations I offers a structured remediation solution based on the NCTM Curricular Focal Points and is designed to expedite student progress in acquiring 3rd- to 5th-grade skills. The course is appropriate for use as remediation for students in grades 6 to 12. When used in combination, Math Foundations I and Math Foundations II (covering grades 6 to 8) effectively remediate computational skills and conceptual understanding needed to undertake high school–level math courses with confidence.

Mathematics of Personal Finance Online H1024OL

Grade levels 9–12. Two semesters.

Prerequisite: Algebra I and Geometry or their equivalents.

Mathematics of Personal Finance focuses on real-world financial literacy, personal finance, and business subjects. Students apply what they learned in Algebra I and Geometry to topics including personal income, taxes, checking and savings accounts, credit, loans and payments, car leasing and purchasing, home mortgages, stocks, insurance, and retirement planning. Students then extend their investigations using more advanced mathematics, such as systems of equations (when studying cost and profit issues) and exponential functions (when calculating interest problems). To assist students for whom language presents a barrier to learning or who are not reading at grade level, Mathematics of Personal Finance includes audio resources in both Spanish and English.

Probability and Statistics Online H1663OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Probability and Statistics provides a curriculum focused on understanding key data analysis and probabilistic concepts, calculations, and relevance to real-world applications. Students are challenged to work toward mastery of computational skills, apply calculators and other technology in data analysis, deepen their understanding of key ideas and solution strategies, and extend their knowledge through a variety of problem-solving applications. Course topics include types of data, common methods used to collect data, and representations of data, including histograms, bar graphs, box plots, and scatterplots.

Survey of Algebra Online H1326OL

Grade levels 9–12. Two semesters.
Prerequisite: None

This course provides a curriculum focused on foundational concepts that prepare students for success in Algebra I. Through a "DiscoveryConfirmationPractice"based exploration of basic concepts, students are challenged to work toward a mastery of computational skills, to deepen their understanding of key ideas and solution strategies, and to extend their knowledge through a variety of problemsolving applications. Course topics include integers; the language of algebra; solving equations with addition, subtraction, multiplication, and division; fractions and decimals; measurement; exponents; solving equations with roots and powers; multistep equations; and linear equations.

Honors Pre-Calculus with Trigonomety Online H1662HOL

Grade level 9-12. Two semesters.
Prerequisites: Successful completion of two years of algebra and one year of geometry.

Precalculus Honors is a comprehensive course that weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. The first semester includes linear, quadratic, exponential, logarithmic, radical, polynomial, and rational functions; systems of equations; and conic sections. The second semester covers trigonometric ratios and functions; inverse trigonometric functions; applications of trigonometry, including vectors and laws of cosine and sine; polar functions and notation; and arithmetic of complex numbers.

Within each Precalculus lesson, students are supplied with a post-study Checkup activity that provides them the opportunity to hone their computational skills in a low-stakes problem set before moving on to formal assessment. Additionally, connections are made throughout the Precalculus course to calculus, art, history, and a variety of other fields related to mathematics.

In the Honors course, Explore activities help students see further connections to other disciplines and other areas of mathematics, including calculus and geometry. Teacher-scored unit tests and semester exams are more open-ended and challenging than their Core counterparts, and Projects allow students to apply advanced mathematics in real-world contexts. In addition, scoring in the Honors Precalculus course places a greater weight on teacher-scored activities, so demonstration of higher-order thinking skills has a stronger impact on students' grades.

The course is built to the National Council of Teachers of Mathematics (NCTM) standards and is aligned with state standards.

Pre-Calculus with Trigonometry Online H1662OL

Grade level 10–12. One semester each.
Prerequisite: A grade of "B" or better in Geometry and Algebra II or permission of previous mathematics instructor or math department chairperson. The prerequisite for the second semester of Pre-calculus with Trig is the successful completion of the first semester or consent of instructor or math department chairperson.

This online course covers logarithmic and exponential functions, analytic geometry, introduction to limits and the derivative, sequences and series, circular and trigonometric functions, graphs, laws, identities, inverses and their applications, vectors and complex numbers. The emphasis of this course is on the concepts that build toward understanding calculus. It will follow an applications approach and use graphing calculators and other appropriate technology.

AP Statistics Online H1701OL

Grade level 11–12. Two semesters.
Prerequisite: First semester enrollment requires a grade of "B" or better in Algebra II. The prerequisite for the second semester of AP Statistics is the successful completion ("C" or better) of the first semester or the consent of the instructor or math department chairperson.

The purpose of this online course is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be expected to be able to use appropriate technology to interpret data and will be expected to be able to communicate their results in an understandable form.

AP Calculus AB Online H1706OL

Grade level 11–12. Two semesters.
Prerequisite: "B" or better in Pre-Calculus and Algebra II or consent of the previous mathematics instructor or math department chairperson.

This online course includes the study of functions and graphs, derivatives and their application, analytic geometry, limits and continuity and includes the use of current technology.

AP Calculus BC Online. H1709OL

Grade level 11–12. Two semesters.
Prerequisite: "B" or better in AP Calculus AB; a 3 or higher on the AP Calc AB test; or consent of the Calculus BC instructor or math department chairperson.

As with other courses designated with Advanced Placement, this online course is introductory college level material. The student is expected to meet this college level workload to be successful. This course includes the study of functions and graphs, derivatives and their application, analytical geometry, limits and continuity, integrals, parametric equations, polar functions and vector analysis. Additional techniques and applications for differentiation and integration will be developed. Polynomial approximations will be explored through the Maclaurin and Taylor Series. Convergence and divergence of sequences and series will be investigated. Appropriate technology will be incorporated throughout the course.

SCIENCE

Astronomy Online H2620OL

Grade level 10–12. One semester. Physical science.
Prerequisite: None.

Ever wondered how the Earth developed and exists in the vastness of space? How do the scientific laws of motion and gravity play a role in its existence? Discover answers to these questions and explore the origin of the universe, the Milky Way, and other galaxies and stars, including the concepts of modern astronomy and the methods used by astronomers to learn more about the universe.

Biology Honors I Online. H2232HOL

Grade level 9-12. Two semesters.
Prerequisites: None

Biology is an in-depth course that furthers mastery of scientific skills, fosters a deep understanding of key concepts, and promotes the application of the scientific method to biological topics.

The course begins with an introduction to the nature of science and biology, including the major themes of structure and function, matter and energy flow, systems, and the interconnectedness of life. Students then apply those themes to the structure and function of the cell, cellular metabolism, and biogeochemical cycles. Building on this foundation, students explore the connections and interactions between living things by studying genetics, ecosystems and natural selection, and evolution. The course ends with an applied look at human biology.

Lab activities reinforce critical thinking, writing, and communication skills and help students develop a deeper understanding of the nature of science.

Biology students are frequently asked to respond to scientific problems and issues via written assignments. Exploration activities challenge Honors students to deconstruct scientific claims, analyze scientific articles, and suggest follow-up experiments or topics for further research. Finally, Project and Checkup activities allow Honors students to use scientific process skills to delve deeper into topics.

This course is built to state standards and the National Science Education Standards (NSES).

AP Biology Online H2244OL

Grade level 10–12. Two semesters.
Prerequisite: Biology.

AP Biology builds students' understanding of biology on both the micro and macro scales. After studying cell biology, students move on to understand how evolution drives the diversity and unity of life. Students will examine how living systems store, retrieve, transmit, and respond to information and how organisms utilize free energy. The equivalent of an introductory college-level biology course, AP Biology prepares students for the AP exam and for further study in science, health sciences, or engineering.

Biology I Online H2232OL

Grade level 9–12. Two semesters. Life science
Prerequisite: Grade 10-12: none. Grade 9: 3.5 GPA in 8th grade core subjects, Algebra I and teacher recommendation.

The basic biology course and prerequisite for all biology electives. This online course will include a study of the chemical basis of life such as the cellular processes of respiration, photosynthesis, diffusion and osmosis. Cell division, DNA and enzyme action will also be covered. The course also includes an extensive treatment of introductory botany, zoology, ecology and genetics.

Chemistry Online H2421OL

Grade level 10–12. Two semesters.
Prerequisite: Middle school/junior high Physical Science, and one year of Algebra.

Chemistry offers a curriculum that emphasizes students' understanding of fundamental chemistry concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology.

Chemistry in the Earth System Online H2422OL

Grade level 10–12. Two semesters.
Prerequisite: Middle school/junior high Physical Science, and one year of Algebra.

Chemistry in the Earth System integrates chemistry with biology and Earth science. Throughout the course, students apply fundamental chemistry concepts to better understand how matter and energy interact in the natural and designed world, how human activities impact Earth's systems, and how science can be used to develop new technologies and engineering solutions

AP Chemistry Online H2434OL

Grade level 10–12. One semester.
Prerequisite: Chemistry.

AP Chemistry builds students' understanding of the nature and reactivity of matter. After studying chemical reactions and electrochemistry, students move on to understand how the chemical and physical properties of materials can be explained by the structure and arrangements of the molecules and the forces between those molecules. Students will examine the laws of thermodynamics, molecular collisions, and the reorganization of matter in order to understand how changes in matter take place. Finally, students will explore chemical equilibria, including acid-base equilibria. The equivalent of an introductory college-level chemistry course, AP Chemistry prepares students for

the AP exam and for further study in science, health sciences, or engineering.

Earth Sciences Online H2610OL

Grade level 10–12. One semester. Physical science.
Prerequisite: None.

This online course is a survey of the various branches of sciences concerning the earth. The student has the opportunity to explore a wide variety of topics such as oceanography, historical geology, rock and mineral identification, astronomy, physical geology, meteorology, composition and formation of the formations of the early and various geological processes of change. This course is not open to students who have successfully completed Geology I.

Health Science Foundations Online H7333OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Health science careers are not only in high demand, but they offer a diverse range of careers for all types of people interested in helping others. Acquire foundational knowledge required to pursue a career in the healthcare industry, and the education, training, and credentials needed to attain them. Learn basic medical terminology, principles of anatomy and physiology, and legal and ethical responsibilities. Explore communication, teamwork, and leadership techniques – providing a solid basis for those wanting to advance through the health sciences.

Environmental Science A Online. H2086S1OL

Grade level 10–12. One semester.
Prerequisite: None.

Environmental Science explores the biological, physical, and sociological principles related to the environment in which organisms live on Earth, the biosphere. Course topics include natural systems on Earth, biogeochemical cycles, the nature of matter and energy, the flow of matter and energy through living systems, populations, communities, ecosystems, ecological pyramids, renewable and non-renewable natural resources, land use, biodiversity, pollution, conservation, sustainability, and human impacts on the environment.

Environmental Science B Online H2087S1OL

Grade level 10–12. One semester.
Prerequisite: None.

Environmental Science explores the biological, physical, and sociological principles related to the environment in which organisms live on Earth, the biosphere. Course topics include natural systems on Earth, biogeochemical cycles, the nature of matter and energy, the flow of matter and energy through living systems, populations, communities, ecosystems, ecological pyramids, renewable and non-renewable natural resources, land use, biodiversity, pollution, conservation, sustainability, and human impacts on the environment.

AP Environmental Science Online H2286OL

Grade level 10–12. Two semesters.
Prerequisite: Two years of high school laboratory science (one year of life science and one year of physical science), and one year of algebra.

AP Environmental Science provides students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course draws upon various disciplines, including geology, biology, environmental studies, environmental science, chemistry, and geography in order to explore a variety of environmental topics. Topics explored include natural systems on Earth; biogeochemical cycles; the nature of matter and energy; the flow of matter and energy through living systems; populations; communities; ecosystems; ecological pyramids; renewable and nonrenewable resources; land use; biodiversity; pollution; conservation; sustainability; and human impacts on the environment. The equivalent of an introductory college-level science course, AP Environmental Science prepares students for the AP exam and for further study in science, health sciences, or engineering.

Introduction to Forestry and Natural Resources Online H8713OL

Grade level 9–12. One semester.
Prerequisite: None.

Whether you are a treehugger or not, everyone loves the beau ty and serenity of a healthy forest. Our precious woodland species not only supply us with aesthetic beauty but also play a valuable role in nature. Trees uphold a great deal of our wildlife's ecosystem while providing us humans with needed lumber, paper products, and even food. But these forests cannot protect themselves and depend greatly on humans for conservation. In Introduction to Forestry and Natural Resources, you will learn more about this meaningful relationship and how environmental policy, land use, water resources, and wildlife management all factor into current forestry issues. After better understanding these variables and how they affect the majesty of our forests, you may just be hugging these gentle giants after all.

Forensic Science I Online H2560OL

Grade level 10–12. One semester. Life or physical science
Prerequisite: Biology I required, Chemistry I recommended.

This online course focuses on various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include structures and functions of the human body, processing a crime scene, physical evidence, questioned documents, serology and pathology. In addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures.

Forensic Science II Online. H2570OL

Grade level 10–12. One semester. Life or physical science
Prerequisite: Biology I required, Chemistry I recommended.

This online course follows Forensic Science I. It focuses on various aspects of forensic science and modern criminal investigation analysis. It integrates biology, geology, physics, chemistry, anatomy, medical sciences and critical thinking skills. Topics include DNA analysis, textiles, trace evidence, firearms, tool marks and arson investigation. In addition, the course may cover selected topics in toxicology, drug and alcohol abuse, odontology, entomology, forensic art, terrorist and disaster response and emergency medical procedures.

The Living Earth Online H2271OL

Grade level 10–12. Two semesters.
Prerequisite: None.

The Living Earth integrates biology with Earth and space science. Throughout the course, students apply fundamental biological concepts to better understand how living systems and Earth's systems are interrelated and interdependent.

Marine Biology Online H2305OL

Grade level 10–12. One semester. Life science
Prerequisite: Biology I.

This online course is a study of marine life found on shores, in bays, estuaries, intertidal zones and in ocean depths. The commercial and environmental importance of various forms of marine life will also be examined.

Physical Sciences Online H2030OL

Grade level 10–12. One semester. Physical science.
Prerequisite: None.

This online course is a very basic introduction to physical science that will stress the general principles of chemistry and physics. The basic physics section will include emphasis in simple machines, basic electricity and the various forms of energy. The chemistry section will cover matter, mixtures and compounds. The student will be presented with the practical side of phys ical science that emphasizes the everyday uses of physics and chemistry.

Honors Physics Online H2521HOL

Grade level 9-12. Two semesters.
Prerequisites: Middle school junior high Physics, and one year of Algebra (two years recommended)

Physics offers a curriculum that emphasizes students' understanding of fundamental physics concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology.

The course provides students with opportunities to learn and practice critical scientific skills within the context of relevant scientific questions. Topics include the nature of science, math for physics, energy, kinematics, force and motion, momentum, gravitation, chemistry for physics, thermodynamics, electricity, magnetism, waves, nuclear physics, quantum physics, and cosmology.

Scientific inquiry skills are embedded in the direct instruction, wherein students learn to ask scientific questions, form and test hypotheses, and use logic and evidence to draw conclusions about the concepts. Lab activities reinforce critical thinking, writing, and communication skills and help students develop a deeper understanding of the nature of science.

Throughout this course, students are given opportunities to understand how physics concepts are applied in technology and engineering. Practice activities provide additional opportunities for students to apply learned concepts and practice their writing skills. Exploration activities challenge Honors students to deconstruct scientific claims, analyze scientific articles, and suggest follow-up experiments or topics for further research. Finally, Project activities allow Honors students to use scientific process skills to delve deeper into topics.

This course is built to state standards, the American Association for the Advancement of Science (AAAS) Project 2061 benchmarks, and the National Science Education Standards (NSES).

Physics Online H2521OL

Grade level 10–12. Two semesters.
Prerequisite: One year of Algebra (two years recommended)

Physics offers a curriculum that emphasizes students' understanding of fundamental physics concepts while helping them acquire tools to be conversant in a society highly influenced by science and technology.

The course provides students with opportunities to learn and practice critical scientific skills within the context of relevant scientific questions. Topics include the nature of science, math for physics, energy, kinematics, force and motion, momentum, gravitation, chemistry for physics, thermodynamics, electricity, magnetism, waves, nuclear physics, quantum physics, and cosmology.

Physics of the Universe Online H2522OL

Grade level 10–12. Two semesters.
Prerequisite: One year of Algebra (two years recommended)

Physics of the Universe integrates physics with Earth and space science. Throughout the course, students apply fundamental physics concepts to better understand the impact of human activities on Earth's systems and how forces, energy, and matter interact throughout the universe

Science Foundations Online H2090OL

Grade level 10–12. Two semesters.
Prerequisite: Middle school/junior high physical science. . . . . .

Science Foundations provides students with opportunities to develop the knowledge, skills, and strategies necessary for success in rigorous high school science courses. The course is appropriate for use as remediation at the high school level or as a bridge to high school.

SOCIAL STUDIES

Honors World History Online. H3315HOL

Grade level 9-12. Two semesters.
Prerequisites: None

In World History Honors, students learn to see the world today as the product of a process that began thousands of years ago, when humans became a speaking, traveling, and trading species. Through historical analysis grounded in primary sources, case studies, and research, students investigate the continuity and change of human culture, governments, economic systems, and social structures.

Students build and practice historical thinking skills, learning to connect specific people, places, events, and ideas to the larger trends of world history. In critical reading activities, feedback-rich instruction, and application-oriented assignments, students develop their capacity to reason chronologically, interpret and synthesize sources, identify connections between ideas, and develop well-supported historical arguments.

Students write throughout the course, responding to primary sources and historical narratives through journal entries, essays, and visual presentations of social studies content. In discussion activities, students respond to the positions of others while staking and defending their own claims. Honors students also

complete two independent research projects focused on historical periods of their choosing.

This course is built to state standards.

Honors US History Online H3317HOL

Grade level 9-12. Two semesters.
Prerequisites: None

U.S. History Honors traces the nation's history from the pre-colonial period to the present. Students learn about the Native American, European, and African peoples who lived in North America before a large part of it became the United States. They examine the beliefs and philosophies that informed the American Revolution and the subsequent formation of the government and political system. Students investigate the economic, cultural, and social motives for the nation's expansion, as well as the conflicting notions of liberty that eventually resulted in a civil war. The course describes the emergence of the United States as an industrial nation and then focuses on its role in modern world affairs.

Moving into the 20th and 21st centuries, students probe the economic and diplomatic interactions between the United States and other nations while investigating how the world wars, the Cold War, and the "information revolution" affected the lives of ordinary Americans. Woven through this chronological sequence is a strong focus on the changing conditions of women, African Americans, and other minority groups.

The course emphasizes the development of historical analysis skills such as comparing and contrasting, differentiating between facts and interpretations, considering multiple perspectives, and analyzing cause-and-effect relationships. These skills are applied to text interpretation and in written assignments that guide students step-by-step through problem-solving activities.

Honors students perfect their ability to use logic and evidence to create persuasive written arguments in five-paragraph essays, two independent research projects, and shorter exercises such as document-based questions and analytic discussions.

The course is built to state standards and standards from the National Council for History Education, the National Center for History in the Schools, and the National Council for Social Studies.

World History Online (Circa 500 BC-AD 1800) H3315OL

Grade level 10. Required. Two semesters.
Prerequisite: None.

This online course provides a study of world history. Included in the first semester are the geographic regions of Greece, Rome, India, The Far East, China, Japan, Korea, and Africa. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored. Included in the second semester are the geographic regions of the Middle East, ancient Americas, Byzantium, and Europe. Geography, humanities, religions, government, economy, society, science, and technology are some of the themes/perspectives by which these areas of the world will be explored.

US History Online H3317OL

Grade level 11. Required. Two semesters.
Prerequisite: None.

This online course provides the study of United States history with some integration of world history. Historiography, geography, economics, government, humanities, sociology, religions, philosophy, science, and technology are some of the themes/perspectives by which US history will be examined. The first semester will investigate/explore the American experience through the post WWI era (roaring twenties) and the beginning of the Great Depression. The second semester will investigate/explore the American experience from the Great Depression through contemporary America.

Honors US Government Online H3075HOL

Grade level 9-12. One semester.
Prerequisites: None

U.S. History Honors traces the nation's history from the pre-colonial period to the present. Students learn about the Native American, European, and African peoples who lived in North America before a large part of it became the United States. They examine the beliefs and philosophies that informed the American Revolution and the subsequent formation of the government and political system. Students investigate the economic, cultural, and social motives for the nation's expansion, as well as the conflicting notions of liberty that eventually resulted in a civil war. The course describes the emergence of the United States as an industrial nation and then focuses on its role in modern world affairs.

Moving into the 20th and 21st centuries, students probe the economic and diplomatic interactions between the United States and other nations while investigating how the world wars, the Cold War, and the "information revolution" affected the lives of ordinary Americans. Woven through this chronological sequence is a strong focus on the changing conditions of women, African Americans, and other minority groups.

The course emphasizes the development of historical analysis skills such as comparing and contrasting, differentiating between facts and interpretations, considering multiple perspectives, and analyzing cause-and-effect relationships. These skills are applied to text interpretation and in written assignments that guide students step-by-step through problem-solving activities.

Honors students perfect their ability to use logic and evidence to create persuasive written arguments in five-paragraph essays, two independent research projects, and shorter exercises such as document-based questions and analytic discussions.

The course is built to state standards and standards from the National Council for History Education, the National Center for History in the Schools, and the National Council for Social Studies.

United States Government Online H3075OL

Grade level 12. Required. One semester.
Prerequisite: None.

This online course is founded on the belief that to become an informed and active citizen, an understanding of government is essential. This course will feature both the structure of government and the function of politics. It will include both theory and practical application of the following: 1) foundations of United States government, 2) institutions and policy making, 3) princi-

ples of the United States constitution, 4) roles and responsibilities of the citizen, and 5) political behavior.

Advanced Placement US Government Online H3062OL

Grade level 12. One semester.
Prerequisite: None.
Taking one semester of AP U.S. Government meets the government requirement.

This online course is designed for the student who is capable of doing lower division college work. The AP U.S. Government class will address the following topics: 1) constitutional underpinnings of United States government, 2) political beliefs and behaviors, 3) political parties and interest groups, 4) the three branches of national government, 5) public policy making and 6) civil liberties and civil rights. This course will prepare students for the advanced placement test in U.S. Government and Politics and will fulfill the requirement for U. S. Government.

Business Economics Online H3081OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Principles of Business, Marketing, and Finance provides the knowledge and skills students need for careers in business and marketing. Students begin exploring roles and functions that business and marketing play in a global society, develop an understanding of the market place, as well as understanding product placement and promotion.

Consumer Economics Online H3082OL

Grade level 9–12. One semester. NOT NCAA APPROVED

This course focuses on the economic way of thinking and application of basic economics with an emphasis on financial literacy. Students will explore a number of microeconomic and macroeconomic issues, and global markets as they relate to the individual in the economic system. They will learn how their economic choices effect their lives as citizens, consumers, workers and producers.

Economics Online H3080OL

Grade level 9–12. One semester.
Prerequisite: None.

This online course is designed to teach students economics concepts and principles and to introduce them to important economic institutions. Students will learn to apply economic reasoning to their lives as citizens, consumers, workers and producers.

Advanced Placement Economics, Micro Online H3083OL

Grade level 11–12. One semester.
Prerequisite: None
Taking both Macro and Micro Economics meets both the economics and social studies elective requirement.

This is a college-level online course divided into two sections; it is designed to prepare students for the Advanced Placement test.

Microeconomics provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, consumers and producers. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and the role of government.

Advanced Placement Economics, Macro Online H3084OL

Grade level 11–12. One semester.
Prerequisite: None
Taking both Macro and Micro Economics meets both the economics and social studies elective requirement.

This is a college-level online course divided into two sections; it is designed to prepare students for the Advanced Placement test.

Macroeconomics provides students with a thorough understanding of the principles of economics that apply to an economic system as a whole. It places emphasis on the study of national income and price determination and also develops familiarity with economic performance measures, economic growth and international economics.

Alaska Studies Online H3110OL

Grade level 9–12. Required. One semester.
Prerequisite: None.

Alaska Studies is an online in-depth exploration of the rich geographic and cultural background of the state and its people from the early Native peoples to the Russian era through statehood to the present. This course includes examination of the geography, history and the political and economic forces that have shaped contemporary Alaska. Content is organized around five themes: population, land, resource, governance and cultural landscape. The course seeks to ensure that students have a strong foundation in the historic and cultural contexts of issues facing the state so they will develop a broad sense of community and strengthen skills that will encourage thoughtful consideration of issues and choices facing Alaska.

SOCIAL STUDIES ELECTIVES

Anthropology Online H3020OL

Grade level 11–12. One semester.
Prerequisite: None.

This is a study of humankind around the world and throughout time to seek understanding of human diversity. Students in this course will explore how the environment, culture, history and technology affect human development. Learn how old bones and artifacts can unlock the mystery of humankind. Sample topics include fieldwork and its methodology, early civilizations and societies, famous anthropologists and their discoveries, cultures past and present and how they compare.

Contemporary Problems Online H3655OL

Grade level 11–12. One semester.
Prerequisite: None.

This course will focus on the social, political, cultural and geographic forces that have created contemporary world "hot spots." Students will discuss the evolution of these issues on the world stage and the implications of their resolution or non-resolution.

Criminology Online H3615OL

Grade level 11–12. One semester.
Prerequisite: None.

Criminology is a study in the nature and causes of crime, its control and related punishment issues. Students will explore online why people become criminals, how we control criminals and how crime affects young people. Sample questions include: What are common crimes? How do juvenile crime patterns compare with adult? What are the different types of crimes? How do we police? What is organized crime? How does a citizen become part of the solution? How are property crime patterns different from violent crime patterns?

Global Geography Online H3030OL

Grade level 9-12. One semester.
Prerequisites: None

Geography and World Cultures offers a tightly focused and scaffolded curriculum that enables students to explore how geographic features, human relationships, political and social structures, economics, science and technology, and the arts have developed and influenced life in countries around the world. Along the way, students are given rigorous instruction on how to read maps, charts, and graphs, and how to create them.

Geography and World Cultures is built to state standards and informed by standards from the National Council for History Education, the National Center for History in the Schools, and the National Council for Social Studies.

Geography and World Cultures is designed as the first course in the social studies sequence. It develops note-taking skills, teaches the basic elements of analytic writing, and introduces students to the close examination of primary documents.

Law Studies Online. H3625OL

Grade level 11–12. One semester.
Prerequisite: None.

Law Studies is the place to discover how the legal system works. This online course aids students in applying legal principles and procedures. Sample questions that will be examined include: What rights do individuals have? What are the major types of law? Why do we have an adversarial system? How well will students do in court? How do we make justice happen?

Modern World from 1450 Online H3318OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

In Modern World History from 1450, students study the major turning points that shaped the modern world including the expansion of Islamic and Asian empires, transoceanic exploration, the Atlantic slave trade, the Enlightenment, industrialization, imperialism, nationalism, political revolutions, the world wars, the Cold War, decolonization, and globalization. By presenting content from multiple perspectives and through diverse primary and secondary source materials, this course not only provides students with a solid foundation in the history of the modern era, but it also prepares students to be active and informed citizens of the world.

Modern World History from 1600 Online H3319OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

In Modern World History from 1600, students study the major turning points that shaped the modern world including the Enlightenment, industrialization, imperialism, nationalism, political revolutions, the world wars, the Cold War, decolonization, and globalization. By presenting content from multiple perspectives and through diverse primary and secondary source materials, this course provides students with a solid foundation in the history of the modern era and prepares students to be active and informed citizens of the world.

Psychology 1 Online H3685OL

Grade level 11–12. One semester.
Prerequisite: None.

This is an online course. Psychology is the scientific study of human behavior from early childhood through old age. Students will explore how an organism's physical state, mental state and external environment affect behavior and the mental processes. Sample topics include: how people learn, think, feel and behave, how developmental stages are important in the human life cycle, how self-concept is developed through relationships with parents, peers and culture, and how brain functions are affected by environmental conditions.

Advanced Placement Psychology Online H3687OL

Grade level 11–12. One semester each.
Prerequisite: None.

This year-long online course is designed to introduce the highly motivated student to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are introduced to the psychological facts, principles and phenomenon associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. Topics include: the history of psychology, contemporary approaches to behavior, how to understand one's own behavior, strategies for dealing with life experiences and how to apply psychological principles to society.

Sociology Online H3045OL

Grade level 11–12. One semester.
Prerequisite: None.

Sociology is the study of how human behavior is shaped by the groups to which we belong. In this online course students will examine patterns of social life, make predictions about behavior and investigate other cultures. Sample questions in Sociology include: What roles do families play? What role does money play in creating groups in society? How do schools and other social institutions shape human behavior? Why do people join gangs?

WORLD LANGUAGES

French I (novice low) Online H4421OL

Grade level 9–12. Two semesters.
Prerequisite: None

Students learn to exchange information in simple terms about topics relating to themselves, their family and their leisure activities in French. They will be introduced to the culture of French-speaking countries and regions. The emphasis is on vocabulary development and elementary grammatical structures. The main

goal of this course is to progress toward a novice-level ability in using French in school and the community.

French II (novice mid)
Online H4431OLS1/H4431OLS2
Grade level 9–12. Two semesters.
Prerequisite: French I

Building on what was learned in Level I, students expand their ability to speak, read, write and listen in French. The emphasis is on continued vocabulary development and the acquisition of additional simple grammatical structure. There will be many opportunities to converse and write stories in French about familiar topics. Students begin applying their French language skills to communicate in basic real-life situations. They also continue to learn about the culture of French-speaking people. The goal of this course is for students to function at a mid-novice to high-novice level of proficiency.

French III (novice high to intermediate low)
Online H4441OL
Grade level 9–12. Two semesters.
Prerequisite: French II

Students exchange information and begin to share opinions about themselves, their school and community in this online class. They expand their vocabulary and learn increasingly complex grammatical structures needed for more sophisticated communication. Students use technology and media to gather cultural information and learn about current events. This course is tailored to the low intermediate level of proficiency in French.

Advanced Placement French Language (pre-advanced)
Online H4471OL
Grade level 11–12. Two semesters.
Prerequisite: French IV, V, or teacher recommendation.

The goal of this online course is to prepare each student to take the annual AP French Language exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

German I Online (novice low) H4221OL
Grade level 9–12. Two semesters.
Prerequisite: None.

This online course is an introduction to the German language and culture. The emphasis is on listening with understanding, speaking with clarity, reading and writing. Instruction begins with situation dialogues. Deductive analysis is used to lead to grammatical principles, but the emphasis is on vocabulary development. Students in their course learn to exchange information in simple terms about every day experiences. Students identify the countries where German is spoken, as well as current events in those countries.

German II (novice low to novice high)
Online H4231OL
Grade level 9–12. Two semesters.
Prerequisite: German I.

This online course emphasizes further vocabulary development and includes increased writing practice. Additional points of grammar are introduced. Students give oral reports and refine their discussions of their daily lives. Students continue to learn about the culture of the German people, which may include famous figures from history as well as aspects of modern life in Germany, which could include sports or entertainment personalities and popular pastimes. Current events in the German speaking world are discussed.

Latin I Online H4821OL
Grade level 9–12. Two semesters.
Prerequisite: None.

This online course is designed to introduce the beginning student to the Latin language and Roman culture. The course focuses on the development of reading comprehension. Vocabulary and grammar are studied in the context of reading passages into which cultural information has been integrated. Students learn to pronounce Latin according to accepted convention and simple oral Latin is used to aid students in comprehension. Students will gain some understanding of the effect of Roman civilization on the western world. Word derivations and Latin word elements are also studied to expand the student's vocabulary.

Latin II Online H4831OL
Grade level 9–12. Two semesters.
Prerequisite: Latin I.

The emphasis of Online Latin II is to continue the development of reading and comprehension skills and the acquisition of a deeper understanding of the similarities and differences between the Roman world and our own. New vocabulary and more grammatical structures are learned as the reading progresses to longer and more complicated passages. Oral Latin is used to help students understand reading selections. The study of Latin word elements continues

Mandarin Chinese I Online
(novice low to novice mid) H4321OL
Grade level 9–12. Two semesters.
Prerequisite: None.

The emphasis of this online course is on the ability to communicate orally, emphasizing vocabulary development and basic language functions. Students will use the language to exchange information about topics relating to themselves, their families and leisure activities. Students will learn basic radicals and stroke order in writing and be introduced to Chinese culture.

Mandarin Chinese II Online
(novice high) H4323OL
Grade level 9–12. Two semesters.
Prerequisite: Mandarin Chinese I.

This online course builds on the study of basic vocabulary and grammatical structures from Chinese I. Students will transfer from dependence on the romanized system, pinyin, to reading and writing the Chinese characters. Students will initiate and sustain short conversations on simple topics in everyday situations, recognize future and past references and speak the language with increased confidence and clearer articulation. Chinese customs,

beliefs and aspects of contemporary and traditional culture are also integrated throughout this course.

Spanish I (novice low) Online H4021OL

Grade level 9–12. Two semesters.
Prerequisite: None.

This is an online course. Students begin to learn to communicate orally and in written form. They learn to understand and produce simple expressions and are introduced to the cultures of Spanish speaking countries. The emphasis is placed on vocabulary development and simple grammar. Throughout the course students apply language skills to real-life communication. Students in this course learn to exchange information in simple terms. The main goal for this course is for students to progress towards a novice level ability in using Spanish in school and the community.

Spanish II (novice mid) Online H4031OL

Grade level 9–12. Two semesters.
Prerequisite: Spanish I.

Students continue to expand upon oral and written communications through vocabulary building and grammar advancement. Students in this online course learn to understand and produce simple language related to familiar topics. Students also continue to learn about the culture of the Spanish-speaking peoples. The goal of this course is for students to function at a novice-mid to novice-high level of proficiency, depending on their background, and to begin to show signs of intermediate-low level of proficiency.

Spanish III (novice high to intermediate low) Online H4041OL

Grade level 9–12. Two semesters.
Prerequisite: Spanish II.

Students continue their development of communication skills. Increased emphasis is placed on responding to written and verbal input, as well as continued study of Spanish-speaking cultures. In this online course students learn more complex grammar and continue to expand upon vocabulary acquisition in order to satisfy some survival needs and courtesy requirements. The main goal of this course is for students to progress towards an intermediate low level of proficiency.

Advanced Placement Spanish Language Online H4071OL

Grade level 11–12. . Two semesters.
Prerequisite: Spanish AP, V, VI, native speaker or teacher recommendation

The goal of this online course is to prepare each student to take the annual AP Spanish Language Exam. Designed to provide students with an opportunity to develop their proficiency skills in comprehension, reading, writing and speaking at a much higher level, students will be challenged with written essays, impromptu and planned oral presentations, readings of a variety of texts and listening and viewing comprehension of oral texts.

GENERAL ELECTIVES

Accounting I Online H8508OL/H8509OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Accounting I examines how to make decisions about planning, organizing, and allocating resources using accounting procedures. Throughout the course, students focus on double-entry accounting; methods and principles of recording business transactions; the preparation of various documents used in recording revenues, expenses, assets, and liabilities; and the preparation of financial statements.

Accounting II Online. H8510OL/H8511OL

Grade levels 9–12. Two semesters.
Prerequisite: Accounting I.

Accounting II builds on the foundation acquired in Accounting I, allowing students to extend their skills and knowledge in the subject. The course focuses on various managerial, financial, and operational accounting activities that require the formulation, interpretation, and communication of financial information for use in management decision making. Students will use equations, graphical representations, accounting tools, spreadsheet software, and accounting systems in real-world situations to maintain, monitor, control, and plan the use of financial resources.

Art Appreciation Online H5308OL

Grade levels 9–12. One semester.
Prerequisite: None.

Art Appreciation is a survey of the history of Western visual arts, with a primary focus on painting. Students begin with an introduction to the basic principles of painting and learn how to critique and compare works of art. Students then explore prehistoric and early Greek and Roman art before they move on to the Middle Ages. Emphasis is placed on the Renaissance and the principles and masters that emerged in Italy and northern Europe. Students continue their art tour with the United States during the 20th century, a time of great innovation as abstract art took center stage. While Western art is the course's primary focus, students will finish the course by studying artistic traditions from Africa, Asia, Oceania, and the Americas.

Business Applications Online H8554OL

Grade levels 9–12. One semester.
Prerequisite: None.

Business Applications prepares students to succeed in the workplace. Students begin by establishing an awareness of the roles essential to an organization's success, and then work to develop an understanding of professional communications and leadership skills. In doing so, students gain proficiency with word processing, email, and presentation management software.

Careers in Criminal Justice Online H8219OL

Grade level 9–12. One semester.
Prerequisite: None.

Most of us have watched a sensationalized crime show at one time or another, but do we really know how things work behind those dreaded prison bars? Do we really understand all the many factors in our justice proceedings? The criminal justice system is a very complex field that requires many seriously dedicated people who are willing to pursue equal justice for all. The Careers in Criminal Justice course illuminates what those different career choices are and how the juvenile justice system, the correctional

system, and the trial process all work together to maintain social order. Find out more about what really happens when the television show ends and reality begins.

College and Career Preparation I Online H9310OL

Grade levels 9–12. One semester.
Prerequisite: None.

High school students have many questions about the college application process, what it takes to be a successful college student, and how to begin thinking about their careers.

In College and Career Preparation I, students obtain a deeper understanding of what it means to be ready for college. Students are informed about the importance of high school performance in college admissions and how to prepare for college testing. They know the types of schools and degrees they may choose to pursue after high school and gain wide exposure to the financial resources available that make college attainable.

College and Career Preparation II Online H9311OL

Grade levels 9–12. One semester.
Prerequisite: College and Career Preparation I.

High school students have many questions about the college application process, what it takes to be a successful college student, and how to begin thinking about their careers.

College and Career Preparation II builds on the lessons and skills in College and Career Preparation I. The course provides a step-by-step guide to choosing a college. It walks students through the process of filling out an application, including opportunities to practice, and takes an in-depth look at the various college-admission tests and assessments, as well financial aid options.

Computer Applications Online H8553OL

Grade levels 9–12. One semester.
Prerequisite: None.

Computer Applications provides an introduction to software applications that prepares students to succeed in the workplace and beyond. Students will develop an understanding of professional communications and leadership skills while gaining proficiency with word processing, email, and presentation management software. Students will also be able to demonstrate digital literacy through basic study web publishing and design, spreadsheets and database software.

Cosmetology: Cutting Edge Styles Online. . . . H8213OL

Grade level 9–12. One semester.
Prerequisite: None.

We all want to look our best, but did you know there is actu ally a science behind cutting your hair and painting your nails? In Cosmetology: CuttingEdge Styles, you will learn all about this often entertaining field and how specialized equipment and technology are propelling our grooming into the next century. Just like all careers, cosmetology requires certain skills and characteristics, all of which are thoroughly explored in this course. You will learn about various beauty regimes related to hair, nails, skin, and spa treatments, and discover how to create your own business model quickly and efficiently while still looking fabulous, of course.

Early Childhood Education Online H8215OL

Grade level 9–12. Two semesters.
Prerequisite: None.

As children, we see the world differently than we do as teenag ers and adults. It is a world full of magical creatures and strange, exciting things. But what makes childhood such a wondrous time of learning and exploration? What can caregivers do to encourage this? In Early Childhood Education, you will learn more about understanding the childhood experience. Learn how to create interesting lessons and stimulating learning environments that provide a safe and encouraging experience for children. Discover how to get children excited about learning and, just as important ly, to feel confident about their abilities. Early childhood teachers have the unique opportunity to help build a strong base for their young students' lifelong education.

Environment of Business Online H7501OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Legal Environment of Business examines the role of the law on all aspects of business ownership and management. Throughout the course, students focus on legal ethics, court procedures, torts, contracts, consumer law, property law, employment law, environmental law, and international law. Students also explore the impact of laws, regulations, and judicial decisions on society at large.

Fitness Basics Online H6750OL

Grade levels 9–12. One semester. Not Repeatble
Prerequisite: None.

Physical Education combines the best of online instruction with actual student participation in weekly cardiovascular, aerobic, and muscle toning activities. The course promotes a keen understanding of the value of physical fitness and aims to motivate students to participate in physical activities throughout their lives.

Health Opportunities Through PE Online. H6110OL

Grade level 9-12. One semester. Not repeatable
Prerequisite: None

This online course will challenge students to become educated consumers, learn to manage stress, choose nutritious foods, make healthy lifestyle choices, be an effective member of a team and influence others in their community in a positive way. Students will have the opportunity to experience the many benefits of regular physical activity, proper nutrition, and sound decision-making. Topics covered include wellness, mental health, media literacy/consumer health, fitness components, nutrition, disease prevention, drug awareness, sexuality education, CPR and decision-making skills.

Human Resources Online H7502OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Human Resources Principles examines the main functions of human resources management, including planning, recruitment, selection, training, development, compensation, and evaluation. In so doing, the course provides students with the tools to hire,

manage, and fire employees. Students will also explore the unique role of human resources in the larger organization.

Individual Recreational Activities Online H6666OL

Grade level 9–12. One semester.
Prerequisite: None. Lifetime Activity Course.
Not repeatable.

This online course will offer students a variety of recreational activities in which they can participate on an individual basis and learn skills applicable for a lifetime. Activities may include, but are not limited to, in-line skating, cross-country skiing, snowshoeing, frisbee, power walking, ice skating, jogging, orienteering and biking. Safety equipment as well as equipment appropriate for each activity will be required and must be furnished by each student. Repeatable unlimited times.

Information Technology Applications Online . H7504OL

Grade levels 9–12. One semester.
Prerequisite: None.

Information Technology Applications prepares students to work in the field of Information Technology. Students will be able to demonstrate digital literacy through basic study of computer hardware, operating systems, networking, the Internet, web publishing, spreadsheets and database software. Through a series of hand-on activities, students will learn what to expect in the field of Information Technology and begin exploring career options in the field

Introduction to Agriscience Online. H8977OL

Grade level 9–12. One semester.
Prerequisite: None.

How can we make our food more nutritious? Can plants really communicate with each other? These are just two of the questions tackled in Introduction to Agriscience. From studying the secrets in corn roots to examining how to increase our food supply, this course examines how agriscientists are at the forefront of improv ing agriculture, food production, and the conservation of natural resources. In Introduction to Agriscience, you'll learn about the innovative ways that science and technology are put to beneficial use in the field of agriculture. You'll also learn more about some of the controversies that surround agricultural practices as nations strive to provide their people with a more abundant and healthy food supply.

Introduction to Business Technology Online . H8731OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Introduction to Business and Technology provides the foundational knowledge and skills students need for careers in business and technology. Throughout the course, students gain a knowledge of business principles and communication skills, an understanding of the impact of financial and marketing decisions, and proficiency in the technologies required by business. Students will also learn the essentials of working in a business environment, managing a business, and owning a business.

Introduction to Culinary Arts Online. H8103OL

Grade level 9–12. Two semesters.
Prerequisite: None.

Food, glorious food! It both nourishes and satisfies us, and it brings people together through preparation, enjoyment, and celebration. If you've ever wanted to learn more about cuisine and how your creativity and appreciation can be expressed by preparing food, Introduction to Culinary Arts is perfect for you. Learn the fundamentals of a working kitchen, and explore what it takes to develop real talent as a chef. Enhance your knowledge of the endless varieties of food, and discover the possibilities that the many spices can bring. Learning more about food preparation will certainly make everything you prepare taste better while giving you the ability to bring people together through the joy of eating.

Introduction Social Media Online H8859OL

Grade level 9–12. One semester.
Prerequisite: None.

Have a Facebook account? What about Twitter? Whether you've already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning how to interact on social media platforms is crucial to surviving and thriving in this age of digital communication. In Introduction to Social Media, you'll learn the ins and outs of such social media platforms as Facebook, Twitter, Pinterest, Google+, and more and how to use them for your benefit—personally, academically, and, eventually, professionally. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Lifetime Personal Fitness Online H6380OL

Grade level 9–12. One semester. Not repeatable
Prerequisite: None.

The purpose of this online course is to promote the development and maintenance of personal fitness. It is conceptually based and focuses on healthy living and lifestyle choices, with particular emphasis on the role of exercise and physical activity including nontraditional and noncompetitive activities. Course content includes fitness assessment, regular physical activity, and fitness concepts and lectures based on the value and benefits of exercise in daily living. In addition to setting and working toward personal fitness goals, students have opportunities to practice positive social skills as they gain an understanding of how a wellness lifestyle affects the quality of life.

Music Appreciation Online. H5710OL

Grade level 9–12. Two semesters.
Prerequisite: None.

This music course is open to all students and is a study of the lives, experiences and cultural pursuits of people through music. Comprehensive studies will be done on composers and musical works. Also included in the course will be many listening activities of music from its beginning to the present.

Principle of Information Technology Online . . H7350OL

Grade levels 9–12. Two semesters.
Prerequisite: None.

Principles of Information Technology prepares students to succeed in the workplace. Students begin by establishing an awareness of the roles essential to an organization's success, and

then work to develop an understanding of professional communications and leadership skills. In doing so, students gain proficiency with word processing, email, and presentation management software. Students will also be able to demonstrate digital literacy through basic study of computer hardware, operating systems, networking, the Internet, web publishing, spreadsheets and database software.

Pursuing Wellness Online H6052OL

Grade levels 9–12. One semester. Not Repeatable.
Prerequisite: None.

Health is a valuable, skills-based health education course designed for general education in grades 9 through 12. Health helps students develop knowledge, attitudes, and essential skills in a variety of health-related subjects, including mental and emotional health, social health, nutrition, physical fitness, substance use and abuse, disease prevention and treatment, and injury prevention and safety.

Theater, Cinema, & Film Production Online H8858OL

Grade level 9–12. Two semesters.
Prerequisite: None.

Lights! Camera! Action! Let's explore the enchanting world of live theater and its fascinating relationship to the silver screen. In Theater, Cinema, and Film Production, you'll learn the basics of lighting, sound, wardrobe, and camera work while examining the magic that happens behind all the drama. Delve into the glamorous history of film and theater,and examine the tremendous influence these industries have had on society and culture over the years. During this unit, you'll discuss and analyze three classic American films—Casablanca, Singin' in the Rain, and The Wizard of Oz—to help you learn how to critique and appreciate some of the most famous dramas of all time.

Work Experience Online H9805OL

Grade level 10–12. One semester. Four semesters maximum.
Prerequisite: None.

Work Experience Online is a course that supports students who are employed at a supervised, approved site. Students may earn ½ credit for every 112.5 hours they are employed. 1.0 credit may be earned for 225 hours and 1.5 credits may be earned for 337.5 hours. Hours are documented with pay stubs. Additional paperwork and assignments are required.

APPENDIX

1. ASD mathematics graduation requirements can be found on the **ASD Graduation Requirements web page.**
2. ASAA eligibility rules can found on the **ASAA website**.

Title IX

"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational programs or activity receiving federal financial assistance".

—From the preamble to Title IX of the Education Amendment of 1972

The Board is committed to an environment of nondiscrimination on the basis of race, color, religion, sex, age, national origin, economic status, union affiliation, disability, and other human differences. No person shall be excluded from participation in, or denied the benefits of, any academic or extracurricular program or educational opportunity offered service offered by the District. The District will comply with the applicable statutes, regulations, and executive orders adopted by Federal, State, and Municipal agencies.

Title IX applies to all programs in a school (including academics, extracurricular, and athletics) that receives federal financial assistance. It protects all participants in the academic program from gender discrimination including parents, students and employees.

If a school becomes aware of equal opportunity violations or sexual harassment, the school will take appropriate actions to investigate the situation. For more information on the student grievance process speak with your principal and/or follow the Student Grievance Process in this handbook. For more information on Title IX or to report any civil rights violation or Title IX violation, contact the EEO Director, who serves as the Title IX Coordinator, at the ASD Education Center, 5530 E. Northern Lights Blvd, Anchorage, AK 99504-3135 (907) 742-4132.

Concerns may also be reported to any of the following external agencies: Alaska State Commission for Human Rights, Anchorage Equal Rights Commission, Department of Education and/or the Office of Civil Rights.

Updated 6/2010

Mapping Out Your Four-Year Plan* _____

With so many choices in high school, it is important to plan ahead! Take some time, review these suggestions, and then get busy on your plan!

- Credits are earned when you pass a course.
- Courses can build on each other. You much earn credit for some courses before you move on to others (i.e. check for prerequisites)
- Some courses count as full credit (1) and some as half (.5)
- Anchorage School District's graduation requirements are listed on the attached plan. Ask your school counselor for help if you are unsure which courses you need.
- Make room in your plan for electives which can include art, band, CTE or other courses.
- Use your college and career interests to help you with decisions. Take an interest inventory or research what high school courses will help you with a college path (including what optional programs are available to you such as King Tech High School, Alaska Middle College School, ASD Virtual, etc.)
- You may be able to earn high school credit in middle school by taking courses like Algebra 1 or a World Language. Taking high school courses early can help you get a jump on learning and free up space in your high school schedule. But remember, your performance in those classes will show up on your high school transcript. Ask you school counselor if adding these courses to your high school transcript is right for you and how that can affect your overall G.P.A.
- Are you planning to take advanced courses? Advanced Placement (AP) and International Baccalaureate (IB) allow you to take college-level courses while in high school. Score well on the exams, and you can earn college credit!
- And finally, ASK for help! Your school counselor and teachers will be happy to answer your questions!

*See template for a four-year plan on next page.

Tentative Four-Year Plan _____

Total credits needed to graduate = 22.5 (one semester = .5 credit) Required courses listed under each subject.

Subject	9th Grade	10th Grade	11th Grade	12th Grade
Language Arts (4)	Semester 1			
	Semester 2			
Mathematics (3) Algebra (1)	Semester 1			
	Semester 2			
Science (3) [Physical (1); Life (1)]	Semester 1			
	Semester 2			
Social Studies (4) [AK Studies (.5), World History (1), US History (1), Econ (.5), US Gov't (.5)]	Semester 1			
	Semester 2			
P.E./Health (1.5)				
Electives (7) [options vary by school]				
*World Language** *[NOT required for graduation]*				

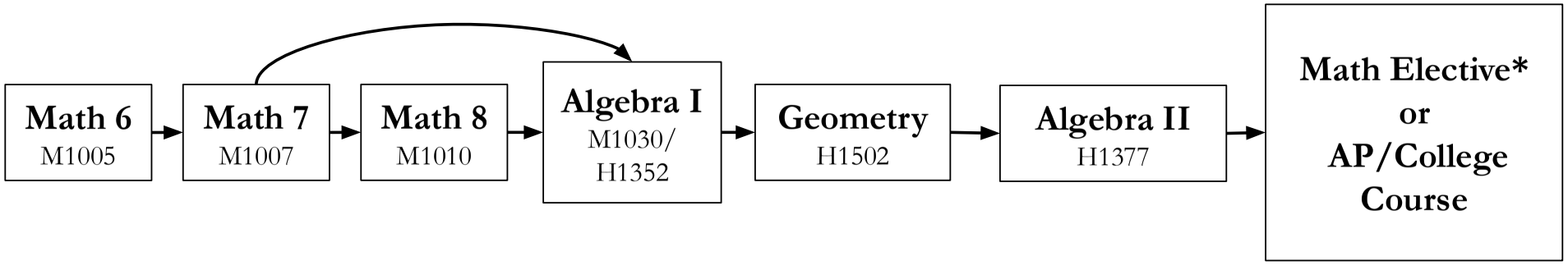
*The Alaska Performance Scholarship Social Studies & Language Curriculum requires 2 credits of World Language for eligibility.

Alaska Performance Scholarship Curriculum Checklist										
4 units Math						2 units World Language				
4 units Science						3 units Math				
4 units Language Arts					***OR***	3 units Science				
4 units Social Studies						4 units Language Arts				
						4 units Social Studies				

Anchorage School District
Educating All Students for Success in Life

6-12 Standards-Based Math Progression

MTSS
MULTI-TIERED SYSTEM OF SUPPORTS



***Math Elective options vary by school site.**

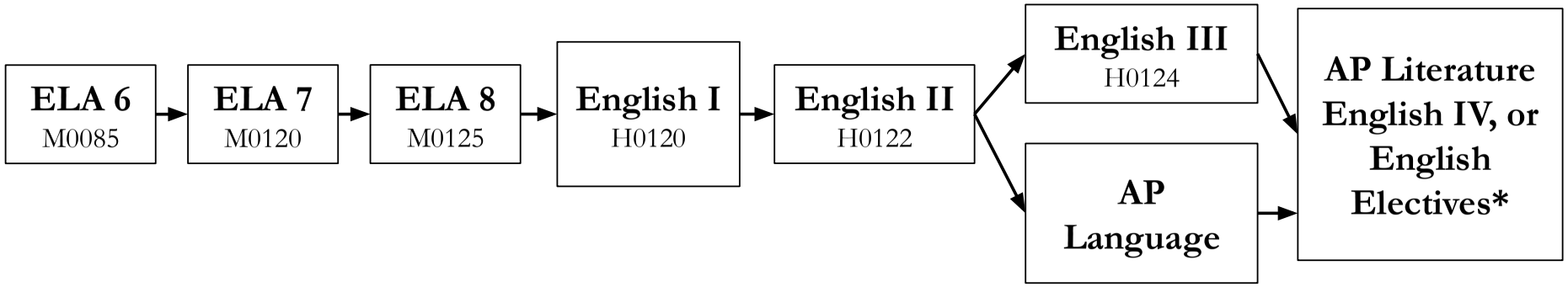
Multi-Tiered System of Supports means on a daily basis, ASD staff work together to support every student academically, behaviorally, and socially based on ongoing needs.

Updated 21-22

Anchorage School District
Educating All Students for Success in Life

6-12 Standards-Based ELA Progression

MTSS
MULTI-TIERED SYSTEM OF SUPPORTS



***English Elective options vary by school site.**

Multi-Tiered System of Supports means on a daily basis, ASD staff work together to support every student academically, behaviorally, and socially based on ongoing needs. Additional courses are available at schools depending on student needs.

Updated 21-22