

ANCHORAGE SCHOOL DISTRICT  
ANCHORAGE, ALASKA

ASD MEMORANDUM #75 (2004-2005)

November 8, 2004

TO: SCHOOL BOARD

FROM: OFFICE OF THE SUPERINTENDENT

SUBJECT: STUDENT MEMBERSHIP PROJECTIONS FOR SEPTEMBER 30, 2005

PERTINENT FACTS:

Attachment A presents the fall forecast for the September 30, 2005 Anchorage School District student membership. Table 1 compares the projections by program for September 30, 2005 with the actual totals of September 30, 2004.

**TABLE 1**  
**September 30, 2004 Enrollment and**  
**Fall Projections for September 30, 2005**

<b>Programs</b>	<b>Actual 9/30/2004</b>	<b>Fall Projections 9/30/2005</b>	<b>Difference (+/-) Project. - Actual</b>
Elementary Schools			
Kindergarten	3,691	3,573	-118
Elementary Schools			
Grades 1-8	21,875	21,887	12
Middle Schools	7,514	7,335	-179
Senior High Schools	13,199	13,367	168
Other Secondary Schools and Programs	2,045	2,063	18
Pre-Elementary, Level 3 Spec. Ed., and Special Services	1,130	1,064	-66
<b>Total</b>	<b>49,454</b>	<b>49,289</b>	<b>-165</b>

The following items highlight trends in the 2005-2006 student population forecast:

- The total projection for September 30, 2005 is 49,289 students. This reflects a decrease of 165 students from the September 30, 2004 official membership total of 49,454.
- The September 30, 2005 projection for Kindergarten is 3,573 students, a decrease of 118 students over this year's Kindergarten enrollment. It is very difficult to accurately forecast Kindergarten, especially since there is no grade preceding Kindergarten from which to project. However, the increase in Kindergarten this year over last, is the result of a change in policy to admit Kindergarten students who are 5 years-old by September 1, rather than August 15. The change had a one-time effect of increasing the Kindergarten numbers. Birth numbers from the Vital Statistics office, using the revised dates for Kindergarten admission, indicate the number of births is virtually the same as before the date change. The Kindergarten projection for September 30, 2005 is based in part on prior years' observation, data obtained from the State Demographer regarding the Anchorage population, as well as the number of live births in Anchorage five years ago from Vital Statistics.
- Elementary schools are projected to increase by 12 students next year. This small increase represents a tremendous change from the declines experienced by the elementary levels for the past 5-6 years. This turn of events is the result of a closing of the gap between the numbers of Kindergarten (entering) and 6th grade (departing) students. In addition, Fort Richardson schools are expected to maintain their increase of approximately 50 students, as a result of the Stryker Brigade, into next year.
- Middle Schools are projected to lose 179 students next year. This decline is the result of the smaller entering Kindergarten class of 1998-99, which had 204 fewer students than the 1997-98 class.
- Senior High Schools are projected to gain 168 students. This trend is expected to continue until 2006. A new high school in the Chugiak/Eagle River area will open next year, relieving the overcrowding at Chugiak High.
- The Other Secondary Schools and Programs (secondary students not attending a Middle School or a Senior High School) are projected to increase by 18 students. Again, this trend is expected to continue until 2006.

- Pre-elementary special education students, Level 3 special education students, and Special Services Program students are projected to decrease by 66 students.
- Charter Schools are projected for 1,786 students next year, an increase of 334 students over the 1,452 students enrolled in charter schools this year. Aquarian Charter received School Board approval to increase their enrollment to 336, which they expect to achieve next year. Highland Tech will be adding the 12th grade to their program next year. In addition, a new charter school, Eagle Academy is expected to open next year with 175 students.

It should be noted that the September 30, 2005 enrollment forecast is based on the following assumptions:

- The Anchorage area economy will remain at current levels during the 2005-2006 school year.
- If additional charter schools are approved by the School Board for the 2005-2006 school year they will attract students from within the District, not from outside the District.
- The participation rate of the school-aged population will remain constant.
- The average grade to grade progression pattern observed over the past five years will hold constant for 2005-2006.
- Student enrollment on Fort Richardson, as a result of the deployment of the Fort Richardson Stryker Brigade to Anchorage, will remain constant.
- Student enrollment on Elmendorf Air Force Base will remain constant although airmen are being deployed overseas. Although there is quite a bit of housing being constructed on the Base, information from Elmendorf does not indicate additional students for next school year.

Economic and demographic trends will be closely monitored during the 2004-2005 school year. A revised forecast will be issued only if there are significant changes in the observed trends.

The following table compares fall projections to actual membership for the past 10 years. The average error of projection for the past 10 years is 0.57 percent. For any given year a projection error of less than 1.00 percent is considered excellent by professional standards.

**Anchorage School District  
Enrollment Forecasts  
1995 - 2004**

Year	Fall Forecast	Sept. 30 Actual	Difference from Fall Forecast	Percent Error
1995	48,000	47,693	-307	-0.64%
1996	48,170	47,968	-202	-0.42%
1997	48,309	48,793	484	0.99%
1998	49,556	49,551	-5	-0.01%
1999	50,201	49,312	-889	-1.80%
2000	49,297	49,520	223	0.45%
2001	49,663	49,676	13	0.03%
2002	49,922	50,029	107	0.21%
2003	50,222	49,663	-559	-1.13%
2004	49,499	49,454	-45	-0.09%
<b>Absolute Value Average</b>			<b>283.4</b>	<b>0.57%</b>

Reporting of Program Capacities

Attached to this memorandum is a detailed description and reporting of program capacities for all elementary, middle, and high schools. These capacities will be incorporated into future membership reports.

Attachments

CC/GV/RA/ODS

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Approved by: George Vakalis, Assistant Superintendent of Support Services

## ANCHORAGE SCHOOL DISTRICT

## DEMOGRAPHIC/G.I.S. SERVICES AND FACILITIES

Membership Projections for September 30, 2005  
November 1, 2004

Full Day Kindergarten	3,506
Half Day Kindergarten	67
Grade 1	3,776
Grade 2	3,544
Grade 3	3,618
Grade 4	3,558
Grade 5	3,603
Grade 6	3,824
Sub-Total Grades Kindergarten	3,573
Sub-Total Grades 1-6	21,923
Sub-Total Grades K-6	25,496
Grade 7	3,901
Grade 8	3,972
Sub-Total Grades 7-8	7,873
Grade 9	3,860
Grade 10	3,943
Grade 11	3,473
Grade 12	3,580
Sub-Total Grades 9-12	14,856
Sub-Total Grades 7-12	22,729
Total Pre-Elementary, Level 3 Special Education, and Special Services	1,064
Total	49,289

ANCHORAGE SCHOOL DISTRICT  
DEMOGRAPHIC/G.I.S. SERVICES AND FACILITIES

Membership Projections for September 30, 2005  
November 1, 2004

Elementary Schools	25,460
Middle Schools	7,335
Senior High Schools	13,367
Other Secondary Schools and Programs	2,063
Pre-Elementary Housed in Elementary Schools	264
Special Education Elementary - Level 3	153
Special Education Secondary - Level 3	124
Special Services	523
<b>Total</b>	<b>49,289</b>

ANCHORAGE SCHOOL DISTRICT  
 DEMOGRAPHIC/G.I.S. SERVICES AND FACILITIES

Membership Projections for September 30, 2005  
 November 1, 2004

Elementary Schools (K-8) Excluding Charter Schools	24,461
Elementary Schools (K-8) Excluding Charter Schools and Rogers Park Gifted	24,296
Elementary Schools (K-6) Excluding Charter Schools	24,323
Elementary Schools (K-6) Excluding Charter Schools and Rogers Park Gifted	24,158
Rogers Park Gifted	165
Elementary Kindergarten Full Day Excluding Charter Schools	3,370
Elementary Kindergarten Half Day Excluding Charter Schools	67
Elementary Kindergarten Full Day Excluding Charter Schools and Rogers Park Gifted	3,365
Elementary Kindergarten Half Day Excluding Charter Schools and Rogers Park Gifted	67
Elementary Schools Grades 7-8 Students	159
Elementary Charter Schools	999
Elementary Schools (Gr. 1-8) Excluding Charter Schools	21,024
Elementary Schools (Gr. 1-8) Excluding Charter Schools and Rogers Park Gifted	20,864
Elementary Schools (Gr. 1-6) Excluding Charter Schools	20,886
Elementary Schools (Gr.1-6) Excluding Charter Schools and Rogers Park Gifted	20,726

## ANCHORAGE SCHOOL DISTRICT

## DEMOGRAPHIC/G.I.S. SERVICES AND FACILITIES

Membership Projections for September 30, 2005  
November 1, 2004

**CHARTER SCHOOL SUMMARY**

Elementary Charter Schools	999
Secondary Charter Schools	787
<b>Total</b>	<b>1,786</b>
Aquarian K-8	336
Eagle Academy K-6	175
Family Partnership K-6	212
Family Partnership 7-12	284
Family Partnership Total	496
Frontier K-6	156
Frontier 7-12	190
Frontier Total	346
Highland Tech 7-11	313
Village Charter K-8	120

ANCHORAGE SCHOOL DISTRICT  
DEMOGRAPHIC/G.I.S. SERVICES AND FACILITIES

Membership Projections for September 30, 2005  
November 1, 2004

**SPECIAL SERVICES SUMMARY**

**Pre-Elementary**

IA Gifted/Talented Housed in Schools*	
Special Services Housed in Schools (Levels 1, 2 and 3)	264
Special Services Programs	107
<b>Total Pre-Elementary</b>	<b>371</b>

**Elementary**

IA Gifted/Talented Housed in Schools*	
Special Services Level 2 Housed in Schools	515
Special Services Level 3 - Intensive Housed in Schools	153
Special Services Programs	122
<b>Total Elementary</b>	<b>790</b>

**Middle and Secondary Level**

Special Services Level 2 Housed in Schools	616
Special Services Level 3 - Intensive Housed in Schools	124
Special Services Programs	294
<b>Total Middle and Secondary Level</b>	<b>1,034</b>

**Total Special Services** 2,195

**Total Pre-Elementary, Level 3 Special Education,  
and Special Services Programs** 1,064

\*These programs are no longer under the administration of Special Services/Special Education.

## ANCHORAGE SCHOOL DISTRICT

## Attachment A

## September 30, 2005 Elementary School Projections

Code	School Name	Gifted*				Special Education			Sp Ed PreElem**			Grade Level								Total K-8	Students Housed	EED Capacity	
		L1	L1*	L2*	L3**	L1	L2	L3	K	1	2	3	4	5	6	7	8						
100	Abbott Loop	12	42	15	9							69	69	61	70	45	55	67	436	445	506		
110	Airport Heights	8	29	8	10							32	30	35	24	36	23	38	218	228	328		
112	Alpenglow	16	78	8	3	2						60	81	48	60	60	53	62	424	429	523		
510	Aquarian Charter	0	14	0	0							48	48	48	48	48	48	48	336	336			
114	Aurora	8	46	3	1							57	55	53	58	58	44	40	365	366	470		
115	Baxter	20	65	11	10							49	63	42	54	64	74	71	417	427	540		
116	Bayshore	34	68	7	1	1						70	71	84	71	85	98	92	571	573	509		
118	Bear Valley	88	46	5	2	1						64	76	81	78	84	81	96	560	563	431		
120	Birchwood ABC	18	36	7	2	1						49	46	46	44	52	45	16	298	301	413		
125	Bowman, Willard	24	62	13	5	3	39	8				59	64	69	60	68	60	65	445	500	579		
130	Campbell	18	65	5	1	1						61	60	63	60	49	63	68	424	426	534		
140	Chester Valley	17	42	10	1							39	43	41	42	33	43	51	292	293	329		
150	Chinook	13	61	11	2	2						71	68	65	90	79	80	96	549	553	497		
160	Chugach Opt	36	10	1	0							27	48	35	34	34	39	33	250	250	259		
170	Chugiak Elem	9	63	5	2	3						79	89	77	87	75	93		500	505	535		
174	College Gate	19	41	15	1							46	44	55	40	45	48	62	340	341	522		
180	Creekside Park	15	56	12	8	2						63	60	60	58	60	49	72	422	432	520		
190	Denali	58	43	15	10							73	67	64	44	59	47	56	410	420	559		
200	Eagle Academy			0	0							25	31	25	23	24	29	18	175	175			
200	Eagle River	13	52	13	2		13	2				38	40	43	40	40	42	52	295	312	504		
210	Fairview	25	65	8	1							66	76	57	42	51	56	55	403	404	560		
540	Family Part Charter K-6	3	14	0	1							21	25	18	38	36	34	40	212	213			
215	Fire Lake	7	43	8	4							35	37	41	40	57	50		260	264	431		
545	Frontier Charter		6	1	0							15	20	25	29	15	24	28	156	156			
220	Girdwood K-8	15	18	0	1	2						23	21	17	19	21	14	20	16	18	169	172	123
230	Government Hill	38	25	6	0							76	82	75	64	62	59	62	480	480	507		
235	Homestead	38	40	8	2							42	40	49	57	66	70	54	378	380	448		
237	Huffman	58	51	7	0							48	38	71	49	49	74	71	400	400	527		
240	Inlet View	23	37	5	1	2						31	34	38	40	46	33	38	260	263	257		
242	Kasuun	36	52	6	2	3						55	51	63	66	73	69	71	448	453	536		
246	Kincaid	58	61	7	11	2						66	76	65	79	71	90	78	525	538	536		
245	Klatt	15	56	3	2	2						51	53	61	44	57	61	51	378	382	431		
248	Lake Hood	26	46	8	1	1						59	77	48	65	62	63	68	442	444	536		
250	Lake Otis	15	38	11	7	3						58	57	56	40	57	50	66	384	394	502		
257	Mount Spurr	15	40	4	2	5						58	55	59	42	40	33	36	323	330	348		
260	Mt View	16	38	12	1							50	40	53	49	43	43	46	324	325	505		
270	Muldoon	25	59	20	0	4						57	51	55	51	66	53	52	385	389	536		
280	North Star	20	69	11	2	2						74	76	65	55	55	48	50	423	427	662		
290	Northern Lights ABC	0	22	0	0							67	74	65	70	82	79	78	50	54	619	619	536
300	Northwood	16	41	13	2	1	19	3				46	50	43	46	47	42	37	311	336	532		
310	Nunaka Valley	15	26	10	1	4	20	1				38	39	44	34	28	37	33	253	279	373		
315	Ocean View	38	75	9	3	2						79	75	68	77	87	70	92	548	553	519		
320	O'Malley	58	47	3	1	2	22	6				48	57	38	46	43	42	44	318	349	432		
324	Orion	10	46	11	1	5	12	1				62	59	64	59	42	40	34	360	379	649		
450	Polaris K-6	7	15	1	1							34	45	30	26	27	23	41	226	227	71		
328	Ptarmigan	17	59	14	1	2						64	68	62	52	53	60	48	407	410	302		
330	Rabbit Creek	27	44	9	12	1						40	48	51	49	35	50	60	333	346	463		

## ANCHORAGE SCHOOL DISTRICT

## Attachment A

## September 30, 2005 Elementary School Projections

Code	School Name	Gifted*				Sp Ed PreElem**			Grade Level								Total K-8	Students Housed	EED Capacity	
		L1	L1*	L2*	L3**	L1	L2	L3	K	1	2	3	4	5	6	7				8
335	Ravenwood	25	30	3	0	3	15		45	56	48	62	53	65	49		378	396	431	
340	Rogers Park	30	62	7	2	3			51	49	51	63	68	51	81		414	419	479	
341	Rogers Park Gifted			0	0				5	15	24	33	41	24	23		165	165		
345	Russian Jack	20	53	7	0	1	2	3	52	57	54	46	49	43	47		348	354	536	
350	Sand Lake	57	48	6	2	1			91	93	86	96	90	75	92		623	626	486	
360	Scenic Park	33	52	12	2				58	62	54	63	73	68	74		452	454	438	
362	Spring Hill	17	59	20	0				56	53	55	45	57	57	63		386	386	431	
364	Susitna	25	73	12	2	1			76	73	74	87	63	74	75		522	525	476	
365	Taku	16	52	4	1	1			59	63	47	66	52	49	48		384	386	460	
363	Trailside	36	51	4	2	3			63	66	78	71	77	64	89		508	513	536	
370	Tudor	19	75	8	1	2			68	76	74	89	69	85	88		549	552	492	
380	Turnagain	28	29	5	2	3	12	3	49	72	49	43	35	47	33		328	348	466	
384	Tyson, William	12	30	9	4	1			58	57	37	52	39	58	69		370	375	536	
386	Ursa Major	25	54	2	1	1			63	70	52	57	53	53	45		393	395	517	
388	Ursa Minor	13	24	3	1	1			41	35	41	41	35	30	21		244	246	352	
585	Village Charter K-8		7	1	0				27	27	7	12	10	8	8	12	9	120	120	
390	Williwaw	28	75	25	2				76	79	76	83	64	88	97		563	565	489	
400	Willow Crest	17	57	4	0				65	70	45	68	48	55	60		411	411	469	
410	Wonder Park	30	66	9	0				57	58	43	66	51	57	43		375	375	454	
418	Wood, Gladys	25	62	15	1	3			71	68	73	62	62	71	68		475	479	408	
	<b>Total</b>	<b>1,503</b>	<b>3,011</b>	<b>515</b>	<b>153</b>	<b>83</b>	<b>154</b>	<b>27</b>	<b>3,573</b>	<b>3,776</b>	<b>3,544</b>	<b>3,618</b>	<b>3,558</b>	<b>3,603</b>	<b>3,629</b>	<b>78</b>	<b>81</b>	<b>25,460</b>	<b>25,877</b>	<b>28,336</b>

\* Figures included in grade level membership - Non Add-Ons

\*\* Not included in grade K-8 total

## ANCHORAGE SCHOOL DISTRICT

### September 30, 2005 Middle School Projections

Code	School Name	Gifted*	Special Education			Grade Level			Total 6-8	Total Students Housed	EED Capacity
		L1*	L1*	L2*	L3**	6	7	8			
700	Central	100	54	21		378	351	729	729	568	
710	Clark	20	93	56	8	430	385	815	823	807	
780	Goldenview	170	80	13	6	411	414	825	831	964	
730	Gruening	74	64	12	2	281	295	576	578	752	
740	Hanshew	76	121	26	2	464	490	954	956	908	
750	Mears	138	109	21	4	513	585	1,098	1,102	911	
755	Mirror Lake	58	65	13	2	195	213	242	650	960	
760	Romig	160	62	27	5	392	394	786	791	757	
770	Wendler	45	110	35	7	482	420	902	909	676	
<b>Total</b>		<b>841</b>	<b>758</b>	<b>224</b>	<b>36</b>	<b>195</b>	<b>3,564</b>	<b>3,576</b>	<b>7,335</b>	<b>7,371</b>	<b>7,303</b>

\* Figures included in grade level membership - Non Add-Ons

\*\* Not included in grade 6-8 total

## ANCHORAGE SCHOOL DISTRICT

### September 30, 2005 Senior High School Projections

Code	School Name	Gifted*	Special Education			Grade Level				Total 9-12	Total Students Housed	EED Capacity
			L1*	L2*	L3**	9	10	11	12			
800	Bartlett	3	126	81	14	471	485	421	440	1,817	1,831	1,937
810	Chugiak	3	103	41	6	315	307	317	412	1,351	1,357	1,582
820	Dimond	3	142	54	22	534	503	442	443	1,922	1,944	1,600
830	East	5	176	77	10	592	609	530	457	2,188	2,198	2,136
840	Service	5	141	29	18	519	444	345	301	1,609	1,627	1,799
850	West	147	142	68	7	471	530	425	441	1,867	1,874	2,065
860	South	5	102	23	5	471	513	440	412	1,836	1,841	1,600
865	Eagle River	3	78	19	6	238	269	205	65	777	783	800
<b>Total</b>		<b>174</b>	<b>1,010</b>	<b>392</b>	<b>88</b>	<b>3,611</b>	<b>3,660</b>	<b>3,125</b>	<b>2,971</b>	<b>13,367</b>	<b>13,455</b>	<b>13,519</b>

\* Figures included in grade level membership - Non Add-Ons

\*\* Not included in grade 9-12 total

## Attachment A

## ANCHORAGE SCHOOL DISTRICT

## September 30, 2005 Other Secondary School Projections

Code	School Name	Gifted*	Special Education			Grade Level						Total 7-12	Total Students Housed	EED Capacity
			L1*	L2*	L3**	7	8	9	10	11	12			
885	AVAIL		6	1				1	9	19	34	63	63	
880	Benson SAVE		17	1				1	8	44	147	200	200	85
881	Benson SEARCH		11	1		22	61					83	83	
884	Continuation Program						1	3	7	5	5	21	21	
815	Crossroads		4	1				2	8	12	27	49	49	
542	Family Partner		21	3		55	53	52	39	34	51	284	284	
844	Frontier Sec		10	2		26	38	27	29	37	33	190	190	
846	Highland Tech		41	2		64	62	58	47	50	32	313	313	
875	McLaughlin		20	18		2	9	20	37	31	47	146	146	
888	Polaris		11	0		40	42	39	41	29	27	218	218	71
835	SAVE I***		28	3					7	48	166	221	221	50
845	Steller	2	23	2		50	49	46	51	39	40	275	275	200
Total		2	192	34	0	259	315	249	283	348	609	2,063	2,063	406

\* Figures included in grade level membership - Non Add-Ons

\*\* Not included in grade 7-12 total

\*\*\* Includes Part-time students

## ANCHORAGE SCHOOL DISTRICT

### September 30, 2005 Special Services School Projections

Code	School Name	Type	Special Education				Students Housed	Total EED Capacity
			L1	L2	L3	Other		
663	Mt Iliamna	Pre-Elementary	55	37	8		100	221
603	ASSDHH	Pre-Elementary		1	6		7	
603	ASSDHH	Elementary		5	19		24	
605	ASSDHH	Secondary		5	21		26	
635	Providence Girls	Elementary			2	6	8	
616	Booth Secondary	Secondary			2	7	9	
618	McKinley Heights	Secondary				6	6	
625	Whaley Elementary	Elementary	3	19	38		60	
627	Whaley Secondary	Secondary	4	26	76		106	244
628	North Star Hsp, Elem	Elementary		1	6	5	12	
629	North Star Hsp, Sec	Secondary		2	7	3	12	
631	Providence Hts Sec	Secondary				3	3	
632	North Star Res Elem	Elementary	4			6	10	
633	North Star Res Sec	Secondary			2	15	17	
650	Jesse Lee Elem	Elementary		1	2	5	8	
651	Jesse Lee Sec	Secondary			1	6	7	
667	ACE/ACT	Secondary	6	46	35		87	
910	Outreach	Secondary	3	1	2		6	
668	Pathway Home	Secondary	15				15	
<b>Total</b>			<b>90</b>	<b>144</b>	<b>227</b>	<b>62</b>	<b>523</b>	<b>465</b>

\* Figures included in L1, L2, L3 and Other membership - Non Add-Ons

Pre-Elementary Total	55	38	14	0	107
Elementary Totals	7	26	67	22	122
Secondary Totals	28	80	146	40	294

**Comparison of EED and Proposed Program Capacities**  
(Membership data as of 9/30/2004)

<b>SCHOOL</b>	<b>GSF</b>	<b>EED Capacity</b>	<b>Proposed Program Capacity</b>	<b>Membership 9/30/2004</b>	<b>% of EED Capacity</b>	<b>% of Program Capacity</b>
<b><i>ELEMENTARY</i></b>						
Abbott Loop	58,341	506	499	451	89%	90%
Airport Heights	39,450	328	346	239	73%	69%
Alpenglow	60,219	523	552	445	85%	81%
Aurora	54,393	470	552	372	79%	67%
Baxter	62,076	540	484	425	79%	88%
Bayshore	58,649	509	506	582	114%	115%
Bear Valley	50,160	431	506	554	129%	109%
Birchwood K-8	48,276	413	414	343	83%	83%
Bowman	66,367	579	514	518	89%	101%
Campbell	61,438	534	506	450	84%	89%
Chester Valley	39,583	329	276	287	87%	104%
Chinook	57,314	497	529	554	111%	105%
Chugach Optional	32,592	259	184	246	95%	134%
Chugiak	61,468	535	529	512	96%	97%
College Gate	60,034	522	529	361	69%	68%
Creekside Park	59,825	520	453	434	83%	96%
Denali	64,123	547	499	427	78%	86%
Eagle River	50,086	504	483	353	70%	73%
Fairview	64,312	560	432	405	72%	94%
Fire Lake	50,160	431	445	289	67%	65%
Girdwood K-8	25,110	123	161	170	138%	106%
Government Hill	58,401	507	506	483	95%	95%
Homestead	51,965	448	529	400	89%	76%
Huffman	60,610	527	483	424	80%	88%
Inlet View	32,470	257	230	256	100%	111%
Kasuun	61,599	536	529	471	88%	89%
Kincaid	61,599	536	507	540	101%	107%
Klatt	50,160	431	483	387	90%	80%
Lake Hood	61,599	536	529	437	82%	83%
Lake Otis	57,897	502	499	407	81%	82%
Mountain View	58,158	505	357	339	67%	95%
Mt. Spurr	41,535	348	322	329	95%	102%
Muldoon	61,599	536	483	409	76%	85%
North Star	75,674	662	598	460	69%	77%
Northern Lights K-8	61,599	536	575	623	116%	108%
Northwood	61,115	532	368	338	64%	92%
Nunaka Valley	44,100	373	299	280	75%	94%
Ocean View	59,736	519	552	556	107%	101%
O'Malley	50,253	432	368	351	81%	95%
Orion	74,196	649	483	385	59%	80%
Ptarmigan	36,841	503	552	405	81%	73%
Rabbit Creek	53,633	463	438	361	78%	82%
Ravenwood	50,160	431	460	424	98%	92%
Rogers Park	55,402	479	575	579	121%	101%
Russian Jack	61,599	536	522	359	67%	69%

**Comparison of EED and Proposed Program Capacities**  
(Membership data as of 9/30/2004)

<b>SCHOOL</b>	<b>GSF</b>	<b>EED Capacity</b>	<b>Proposed Program Capacity</b>	<b>Membership 9/30/2004</b>	<b>% of EED Capacity</b>	<b>% of Program Capacity</b>
Sand Lake	56,153	486	529	630	130%	119%
Scenic Park	50,912	438	506	473	108%	93%
Spring Hill	50,160	431	483	395	92%	82%
Susitna	55,023	476	529	535	112%	101%
Taku	53,270	460	391	385	84%	98%
Trailside	61,599	536	529	508	95%	96%
Tudor	56,757	492	506	550	112%	109%
Turnagain	54,000	466	414	343	74%	83%
Tyson	61,599	536	514	388	72%	75%
Ursa Major	59,477	517	506	401	78%	79%
Ursa Minor	41,941	352	322	251	71%	78%
Williwaw	56,500	489	418	561	115%	134%
Willow Crest	54,304	469	529	424	90%	80%
Wonder Park	52,638	454	390	383	84%	98%
Wood Gladys	47,777	408	437	478	117%	109%
<b>Total</b>	<b>3,277,986</b>	<b>28,454</b>	<b>27,649</b>	<b>25,125</b>	<b>88%</b>	<b>91%</b>
<b>SECONDARY - MS</b>						
Central	95,837	568	614	752	132%	122%
Clark	133,592	807	592	860	107%	145%
Goldenview	159,209	964	874	876	91%	100%
Gruening	124,862	752	658	584	78%	89%
Hanshew	150,085	908	781	981	108%	126%
Mears	150,506	911	798	1,104	121%	138%
Mirror Lake 6-8	158,630	960	909	662	69%	73%
Romig	125,614	757	830	832	110%	100%
Wendler	112,696	676	721	912	135%	126%
<b>Totals</b>	<b>1,211,031</b>	<b>7,303</b>	<b>6,777</b>	<b>7,563</b>	<b>104%</b>	<b>112%</b>
<b>SECONDARY - SH</b>						
Bartlett	319,592	1,937	2,173	1,933	100%	89%
Chugiak	261,054	1,582	1,700	2,024	128%	119%
Dimond	264,000	1,600	1,695	1,983	124%	117%
East	333,331	2,136	2,180	2,175	102%	100%
Service	296,909	1,799	1,762	1,560	87%	89%
South	253,068	1,600	1,680	1,730	108%	103%
West	318,194	2,065	1,686	1,899	92%	113%
<b>Totals</b>	<b>2,046,148</b>	<b>12,719</b>	<b>12,876</b>	<b>13,304</b>	<b>105%</b>	<b>103%</b>
<b>Total</b>	<b>6,535,165</b>	<b>48,476</b>	<b>47,302</b>	<b>45,992</b>	<b>95%</b>	<b>97%</b>

**Notes to Spreadsheet:**

1. Preschool membership is included in elementary membership.
2. Building gross square footage is not adjusted for special programs.
3. EED Capacity revised December 2003.

## PROGRAM CAPACITIES October 2004

### Overview

The District has relied solely on “EED Capacity” calculations for the past three years to evaluate crowding conditions in its schools. These capacities are used by the State to determine eligibility for new or expanded school construction projects. EED capacity is derived from a formula based strictly on gross square footage of a school. Prior to that, the District maintained a dual capacity calculation system, which included both the EED capacity and an “ASD Capacity” based on teaching stations in each school. The Board has found that the EED capacities frequently do not present an accurate picture of a school’s capacity, and has requested that a program capacity system be re-instituted.

### Discussion of Capacity Calculation

The primary function of setting school capacities is to allow comparison of the amount of crowding in schools across the district. This information is needed to make decisions on boundaries, relocatable units and new construction.

School capacity is determined by the following four factors:

- Number of classrooms or teaching stations
- Number of students in each class or section
- Utilization factor for each classroom or space during the school day- the number of hours or classes held in each space
- The capacity of the infrastructure to support a given number of students- lunchroom, gym, lockers, library, hallways

The District’s educational specifications identify a design capacity for high school, middle school, and elementary schools. The current specifications are based on EED square footage capacities. Once schools are built, the operating or program capacity is impacted by the various programs that are housed there.

The Facilities Department has developed the attached program capacities, following a common process for each level of schools. This process has involved analysis of the number of classrooms or teaching stations; the average or typical number of students in general education and special program classrooms; the utilization factor for the various types of spaces; and the limiting factor of infrastructure.

One element of capacity common to all levels of instruction is the use of relocatable units. These units are allocated to schools that demonstrate a need for additional program or other space not accommodated inside the facility. In developing the program capacities for each school, only the spaces inside of the facility are included, not the relocatable units.

## Elementary School Capacities

With minor exceptions, the number of classrooms at each elementary school is clear. There is some minor variation between elementary schools in the number of students in each classroom, but this number averages 23 students per regular classroom. (with the exception of Title I schools that have chosen to use their funds to reduce class size). Intensive needs classrooms are the only special use classrooms that house elementary students all day, and these typically hold up to eight students. Other uses identified in the attached space utilization analysis, such as special education resource rooms, bilingual, Indian education, or On-Target are “pull-out” programs that utilize classroom space but do not “house” students or add to the school’s capacity.

The Elementary Proposed Space Utilization is based on a number of assumptions, which are intended to treat each school fairly in relation to others. Each elementary school is assumed to have a separate art room and computer lab, as identified in the current educational specifications. For the older schools, such as Abbott Loop, classroom spaces must be used for these functions, and therefore the number of classrooms available for homerooms is reduced accordingly. Music is assumed to take place on the stage of each school, but Chester Valley has no stage, so a classroom must be dedicated to that purpose. With these adjustments, a Subtotal number of classrooms is available for each school to use for homerooms or for other special purposes.

Available classrooms are reduced by the number dedicated to various program uses, such as Resource, gifted, etc. Program capacity is computed by multiplying the number of classrooms available for instruction by 23 and adding the number of intensive needs classrooms multiplied by 8. For example, Abbott Loop has 26 total classrooms, with 2 dedicated to art and a computer lab. Of the remaining 24 classrooms, 1 is used for a resource classroom and 2 are used for intensive needs, leaving 21 available for regular instruction classroom. The computation of capacity is then 21 rooms x 23 students per room, plus 2 rooms x 8 intensive needs students, for a total of 499.

## Middle School Capacities

Calculation of middle school capacities follows the same basic process as that used for elementary schools, with several complicating factors. Middle schools typically have seven class periods, and students move between classes during the day. Middle school teachers teach five of the seven periods, with one period available for team conferencing and one for individual planning. Therefore, for most classrooms, the utilization factor is 5/7 or approximately 71 percent. Class sizes vary widely, depending upon the nature of the class. Some advanced math classes or foreign languages may have less than 20 students, whereas gym or band classes may exceed 50 students. The average number of students in all middle school general education classes is 28. Special programs, including resource, intensive needs, and ESL utilize regular classrooms or smaller classrooms, with reduced levels of students in these classes.

The Middle School Proposed Space Utilization lists for each school the number of “Teaching Stations” or classrooms. This number includes such spaces as band and art, as well academic classrooms, and 2-4 teaching spaces in the gym (depending on the number of gym teachers). It also includes some of the smaller spaces that are used for special programs, such as intensive needs or ESL instruction. One classroom is dedicated for use as a computer lab. Deducting the special use rooms and computer labs from the total teaching stations gives the number of classrooms available for instruction. The computation of capacity is “Classrooms for Instruction” times average class size of 28, plus “Intensive Needs” classrooms times 8, plus “Resource” and “ESL” classrooms times 15. This total is then multiplied by the utilization factor of 71 percent to obtain the program capacity.

### High School Capacities

The calculation of high school capacities follows the same process as used for elementary and middle schools, with some adjustments. High schools operate on a six-period day, with the teachers holding class for 5 periods and using one period for conference or planning. Therefore, the utilization factor is 5/6 or 83 percent. High schools have a greater variety of educational programs and individual learning opportunities, which must be factored into the capacity equation. These include such areas as teacher aide, individual studies, advanced placement classes, technical and work experience.

The average number of students in high school general subject classes is approximately 27. This does not include special education, intensive needs, or ESL classes. Due to the individualized programs that provide credit to the students but which are not part of a regular class, the average class size for capacity purposes has been increased to 28. The actual program capacity calculations for high school mirror those listed above for middle schools, with the exception of utilization factor of 83 percent.

### Program Capacity Variables

By moving to a program rather than square foot driven capacity calculation, the District should have a better snapshot of individual school utilization and extent of actual overcapacity. Schools that “feel” crowded should show up in the capacity calculations as exceeding 100 percent of capacity. Program capacity is a moving target. It will vary each year, or even more frequently, as program changes happen within a school or within the District as a whole. Budgets set the student/teacher ratio, and if each class size is reduced, a school’s overall capacity is also reduced. For example, if an elementary school is designated to house an Ignite program, one classroom will not be available for home-room students and the capacity of the school will be reduced accordingly. Or if a secondary school adds an ESL class, its program capacity will decrease.

The other major factor affecting secondary program capacity is classroom utilization-how many periods each day a classroom is used for instruction. Principals and teachers prefer to work out of one space all day, to avoid having to move and re-set their materials each period. Yet as schools become more crowded, “teacher on a cart” becomes a reality,

with certain classes being taught in various classrooms that are vacant for a period. This can create logistical as well as morale issues, since the displaced teacher must find a place to do planning or hold conferences while the teachers regular classroom is being occupied by another teacher for one period. Secondary schools have responded to overcrowding by a combination of adding relocatable units and using more “teacher on a cart” programs.

The final variable to consider is the infrastructure of each school, and its ability to support a certain size of student body. There is a limit to how many relocatable units or “teacher on a cart” can be effectively used to increase capacity, since all the students still must move through the halls, use a locker, have a place to eat, and gather for mass meetings. The infrastructure variable becomes a significant factor when enrollment exceeds 120% or more, depending upon the infrastructure capacity of each facility.

**2004-05 Elementary Facility Space Utilization and Proposed Program Enrollment Capacity**

School	2004-05 Space Utilization																		Classrooms for Instruction	Avg Class Size	Prog Cap	Enroll 9/30/04	% of Cap	EED Cap	Title I School	# of Relo's
	Total Class-rooms	Art	Comp Lab	Music	Sub-Total	Resource Class-rooms	Inten-sive Needs	ESL/Bi-lingual	Indian Ed	Pre-K	Gifted	Read-ing	OT/-PT	Couns-elor	Spch	Title I	On-Target	Other								
	A	B	C	D	E	F	G	H	J	M	I	O	L	N	P	Q	K	R								
Abbott Loop	26	1	1		24	1	2												21	23	499	451	90%	506		0
Airport Heights	20	1	1		18	1	3												14	23	346	239	69%	328		1
Alpenglow	26				26	2													24	23	552	445	81%	523		0
Aurora	25				25	1													24	23	552	372	67%	470		0
Baxter	26				26	2	3				1								20	23	484	425	88%	540		0
Bayshore	25		1		24	2													22	23	506	582	115%	509		2
Bear Valley	24				24	1					1								22	23	506	554	109%	431		0
Birchwood ABC K	23	1	1		21	2					1								18	23	414	343	83%	413		0
Bowman, Willard	31				31	3	1			5									22	23	514	518	101%	579		1
Campbell	25				25	2					1								22	23	506	450	89%	534		0
Chester Valley	19	1	1	1	16	1				3									12	23	276	287	104%	329		2
Chinook	26				26	2		1											23	23	529	554	105%	497		2
Chugach Optional	10				10	1					1								8	23	184	246	134%	259		0
Chugiak	26		1		25	2													23	23	529	512	97%	535		0
College Gate	26	1			25	2													23	23	529	361	68%	522		1
Creekside Park	24				24	1	2	1								1			19	23	453	434	96%	520	1	0
Denali	26				26	2	2				1								21	23	499	427	86%	547	1	0
Eagle River	26		1		25	2				2									21	23	483	353	73%	504		0
Fairview	27				27	2		1											24	18	432	405	94%	560	1	0
Fire Lake	23		1		22	2	1												19	23	445	289	65%	431		0
Girdwood K-8	9				9	1					1								7	23	161	170	106%	123		0
Government Hill	26				26	1		1			1					1			22	23	506	483	95%	507	1	0
Homestead	25				25	1					1								23	23	529	400	76%	448		0
Huffman	23				23	2													21	23	483	424	88%	527		0
Inlet View	13	1			12	2													10	23	230	256	111%	257		2
Kasuun	26				26	2					1								23	23	529	471	89%	536		1
Kincaid	26				26	1	3				1								21	23	507	540	107%	536		1
Klatt	24				24	2					1								21	23	483	387	80%	431		0
Lake Hood	26				26	2		1											23	23	529	437	83%	536		0
Lake Otis	26		1		25	2	2												21	23	499	407	82%	502	1	0
Mountain View	26	1			25	2		1								1			21	17	357	339	95%	505	1	1
Mount Spurr	18	1	1		16	1					1								14	23	322	329	102%	348		0
Muldoon	26				26	2		1											23	21	483	409	85%	536	1	0
North Star	31				31	2		1			1					1			26	23	598	460	77%	662	1	2
Northern Lights AE	26				26	1													25	23	575	623	108%	536		0
Northwood	24		1		23	3				3									16	23	368	338	92%	532		0
Nunaka Valley	19		1		18	2				3									13	23	299	280	94%	373		0
Ocean View	26				26	2													24	23	552	556	101%	519		2
O'Malley	24	1			23	2				4	1								16	23	368	351	95%	432		0

## 2004-05 Elementary Facility Space Utilization and Proposed Program Enrollment Capacity

School	2004-05 Space Utilization																		Classrooms for Instruction	Avg Class Size	Prog Cap	Enroll 9/30/04	% of Cap	EED Cap	Title I School	# of Relo's
	Total Class-rooms	Art	Comp Lab	Music	Sub-Total	Resource Class-rooms	Inten-sive Needs	ESL/Bi-lingual	Indian Ed	Pre-K	Gifted	Read-ing	OT/-PT	Couns-elor	Spch	Title I	On-Target	Other								
	A	B	C	D	E	F	G	H	J	M	I	O	L	N	P	Q	K	R								
Orion	25				25	2				2									21	23	483	385	80%	649		0
Ptarmigan	26				26	2													24	23	552	405	73%	503	1	0
Rabbit Creek	24	1			23	2	3												18	23	438	361	82%	463		0
Ravenwood	24		1		23	1				2									20	23	460	424	92%	431		0
Rogers Park	27				27	2													25	23	575	579	101%	479		1
Russian Jack	26				26	2									0.3			1	22.7	23	522.1	359	69%	536	1	2
Sand Lake	25	1			24	1													23	23	529	630	119%	486		3
Scenic Park	24				24	2													22	23	506	473	93%	438		2
Spring Hill	23				23	2													21	23	483	395	82%	431		0
Susitna	25				25	2													23	23	529	535	101%	476		2
Taku	20				20	2					1								17	23	391	385	98%	460	1	1
Trailside	26				26	2					1								23	23	529	508	96%	536		0
Tudor	26	1	1		24	2													22	23	506	550	109%	492		2
Turnagain	24	1	1		22	1				2	1								18	23	414	343	83%	466		0
Tyson, William	26				26	1	1	1								1			22	23	514	388	75%	536	1	0
Ursa Major	26				26	1					1					2			22	23	506	401	79%	517	1	0
Ursa Minor	16				16	1										1			14	23	322	251	78%	352	1	0
Williwaw	26				26	3	1								2		1		19	22	418	561	134%	489	1	4
Willow Crest	26		1		25	1	1												23	23	529	424	80%	469	1	2
Wonder Park	26	1	1		24	2	1			1					0.5				19.5	20	390	383	98%	454	1	2
Wood, Gladys	24	1	1		22	2					1								19	23	437	478	109%	408		2
<b>Elementary Totals</b>	<b>1,443</b>	<b>15</b>	<b>18</b>	<b>1</b>	<b>1,409</b>	<b>103</b>	<b>23</b>	<b>12</b>	<b>0</b>	<b>26</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10.8</b>	<b>0</b>	<b>3</b>	<b>1,210</b>	<b>23</b>	<b>27,649</b>	<b>25,125</b>	<b>91%</b>	<b>28,454</b>	<b>17</b>	<b>41</b>

- Note: 1) Membership, as of 9/30/2004, includes preschool and level 3 special ed students. Charter schools are not included.  
 2) "Program Capacity" is "Classrooms for Instruction" times the average class size of 23, added to "Intensive Needs" classrooms times average class size of 8 .  
 3) Average class sizes calculated using 2003-04 enrollment.