

Parallel Lines, Transversals, and Angles



This project will help you to demonstrate your knowledge of parallel lines, transversals and the angles that are created by them.

You can work alone or in groups of either 2 or 3 people. This will determine your overall proficiency level for this standard.

You will be designing a **city map** using the guidelines listed below. Your map must be drawn on **construction paper** or **poster board**. **Use a ruler** to make your streets straight! On the back of your map, you will include a **write up**. In the write up, please tell me what you all felt was the most difficult part of the project and what the easiest part of the project was. Please also tell me who in your group did what. **Have a title for your map**, and make it **neat** and organized!



DUE DATE: Tuesday 10/24/17

Email me (kubik_kelley@asdk12.org) or come to class with any questions!

Guidelines:

- 1) There must be a title for your map. Your map must also split the city into two parts.
- 2) On the northern part of town, draw two streets that are parallel and one street that intersects these other streets (the transversal). Do the same thing on the south side of the city. You must name all of these streets.

On the northern part of the city:

- 3) Your city has a hospital that is **alternate exterior** to the school that is in your city. Draw and name the hospital and the school.
- 4) The school and the drugstore are at **corresponding** locations. Draw and name the drugstore.
- 5) The drugstore and the pet shop are at **alternate interior** locations. Draw and name the pet shop.
- 6) The pet shop and the gas station are at **same side interior** locations. Draw and name the gas station.
- 7) The gas station and the grocery store are at **alternate interior** locations. Draw and name the grocery store.

On the south side of the city:

- 8) The library and the nail salon are at **vertical** locations. Draw and name the salon.
- 9) The nail salon and Target are at **corresponding** locations. Draw Target.

- 10) Target and a fast food restaurant are at **same side interior** locations. Draw and name the fast food restaurant.
- 11) Your city has a mall that is in a **corresponding location** to the bookstore that is in your city. Draw and name the mall and the bookstore.
- 12) The police station is in an **alternate exterior** location to the mall. Draw and label the police station.

RUBRIC: You will be graded on accuracy, creativity and neatness.

	EMERGING	DEVELOPING	PROFICIENT	ADVANCED
ACCURACY	6 or fewer of the 13 locations are in the correct place.	7 or 8 of the 13 locations are in the correct place.	9 or 10 of the 13 locations are in the correct place.	11 or 12 of the 13 locations are in the correct place.
CREATIVITY	Very little effort is made when drawing the buildings/symbols. No color used.	Some effort is made at the beginning of the project but that effort did not continue throughout the project. Very little color used.	Student(s) put forth their best effort throughout the majority of the project. Most of the project is colorful.	Student(s) put forth their best effort throughout the ENTIRE project. The project is very colorful.
NEATNESS	The writing was so small or messy that I did not even attempt to read it.	Most words are very difficult to read due to the size or messiness of the writing. I was still willing to try to read what was written though.	Handwriting is mostly neat and legible. Some words were difficult to read either due to size or messiness.	Handwriting is very neat and legible. The size of the writing does not cause me to squint to try to understand what may have been written.