

Parallel City Project

Overview:

For this project you may work with **one** other person or by yourself. Each student or pair will make their own street map for a fictional city (you must name your city). You can draw your city or use google draw or paint to make your map. Please use computer paper and add color.



This city will consist of:

1. Three (3) streets parallel to each other. Each street should be named for reference.
2. Two (2) transversal streets. These should be named as well.

Do not make the transversals parallel to each other!!!

3. The following buildings must be represented in your city:

- a. Park
- b. School
- c. Post office
- d. Bank
- e. Fire Department
- f. Police Station
- g. Restaurant
- h. Courthouse
- i. Gas Station
- j. Grocery Store
- k. Hospital
- l. Three shops (i.e. dress shop, superstore, coffee shop, drug store, mall etc.)
- m. Two other items you think would add to your town.

Be sure to name and label each building.

Instructions:

The point of this project is not to place these buildings anywhere, but to demonstrate your understanding of different angles, as well as to understand when they are supplementary or congruent. You can still be creative in doing so, but please place the buildings in the following locations.

1. Park and the school must be at alternate interior angles.
2. The post office and the bank will be at consecutive interior angles.
3. The fire department and police station are at vertical angles.
4. The restaurant and courthouse are at *non-congruent* alternate interior angles.
5. The gas station and grocery store at corresponding angles.
6. The Hospital and one of your shops are at corresponding angles
7. The other two shops are at alternate exterior angles.
8. Don't forget the two other items in your town.

Remember to be creative and use color. You may be as artistic as you would like in drawing the buildings/roads, but be sure to label each one. (Creativity will earn extra points).

Explanation

In the explanation you need to include the name of the shop that is corresponding to your Hospital and the names of the two shops that are alternate exterior. Please list the other buildings/items you placed extra in your city along with which type of angle pairs they represent. Also answer the question: Does your town make sense? (Ex, Is your fire department in a good place in regard to your town?).

Rubric for Project: Parallel lines (Turn in with Project)

Possible Points	Category	Points Earned	Comments
5	Name of City		
10	Name of Each Street (2 for each street)		
5	Park and the school must be at alternate interior angles.		
5	The post office and the bank at consecutive interior angles.		
5	The fire department and police station are at vertical angles.		
5	The restaurant and courthouse at <i>non-congruent</i> alternate interior angles.		
5	The gas station and grocery store at congruent corresponding angles.		
5	The Hospital and one of your shops are at corresponding angles		
5	The two of your shops are at alternate exterior angles		
5	Two personal places		
10	Neatness		
20	Creativity		
5	All Buildings/places are labeled		
15	Explanation		
Total Points: 105	Points		