

Blueprint Project

Introduction: You will be using all the skills and concepts from Unit 6 to design your very own city! Your job is to research the history/purpose for blueprints in the real world and compare two different cities that you pick. You will then need to make a draft of what you think your city should look like. However, there are a few requirements that must be met based on what your mayor wants. Everything else is up to you! There can be as much as you want in your city and as many roads as you want! You can use a template off of the internet to have a set of roads already laid out if you would like. **Bonus points** will go to students who make their own parallel lines. *Hint: remember that certain angles must have two parallel lines and be cut by a transversal!!!* Don't forget to name your city!!

Due Date!!!: Wednesday, December 9th (you will only have one class period to work on it, the rest will be done outside of class/ I will NOT accept any projects turned in late after winter break!)

Mayor's Requests:

- There must be at least:
 - one hospital, one recycling plant, one city hall, three parking garages, one fire station, one library, two schools, 5 houses, one police station, three restaurants, two grocery stores, two gas stations, one place of religion, one mall, one jail, and three shopping stores
- The hospital and recycling plant must be at corresponding angles from one another
- The city hall must be at a vertical angle from a parking garage
- The library and one of the schools must be at supplementary angles from each other
- The jail and place of religion must be at alternate exterior angles from each other
- One gas station and a house must be at alternate interior angles from each other

Reflection Questions (to be done after the final blueprint):

Each Question answered in three to four sentences, except #2

1. What are some of the aspects of your blueprint that are unique from anyone else in your class?

2. Pick four different buildings that were not in the mayor's requests and describe, in detail, your reasoning behind their placement in your city (two paragraphs total)
3. What are two aspects of your blueprint that you are proud of?
4. What is one thing about your project that you could have improved on?
5. Why do you think your teacher gave you this assignment?
6. How will you use these skills in your future career and/or how do other careers, besides city planners use these skills?
7. What is one aspect of the project that you would change for future students?

Suggested Timeline for the Project:

Wednesday: do research on blueprints with Google Maps

Thursday: start creating a draft of the blueprint of city

Friday: finish the draft of the blueprint of city and start final copy

Saturday: work on final copy of the blueprint of city

Sunday: finish final copy of the city blueprint

Monday: work on reflection questions

Tuesday: finish reflection questions and make sure everything is together

Wednesday: TURN IN!

Checklist for Project:

- Project is turned in on time with no spelling or grammar errors (5 points)
- Have a paragraph of research describing blueprints are used for/history/comparing real cities from GoogleMaps (5 points)
- Have each of the required buildings listed by the mayor (29 points...one point per building)
- Have each of the angle requirements by the mayor (10 points...2 points per request)
- Have a rough draft of the city (10 points)
- Have a clean and neat final copy of the blueprint that is done in marker or pen (10 points)
- Used time wisely in class (11 points)
- Added extra buildings to design their own city (5 points)
- Answered reflection questions in detail that are readable (15 points)

Bonus Points: 5 for making the blueprint from scratch

Total Points: 100 points