Geometry City Project

DUE: April 14th, 2017, Friday

Introduction: Geometric shapes are present in our world around us and can be seen in our world if we look close enough. In geometry city, these shapes are highly visible and are a part of the structure of the city. No longer are the buildings just cube or rectangular prisms. The more complex the shape the more desirable the building and the city itself. You are the new architect and city planner of the newest geometry city. You need to present your plan for your city to the Board of New Geometry Cities and impress the Board President (Mr. Dave) with your 3D model (Physical or Digital).

Requirements:

- 8 vocabulary words (Geometry Terms) specifically expressed and are present in the city.
- 6 Geometry shapes per a person in a group (2 people max for a total of 12 shapes)
- Volume and Surface area of all 6 or 12 shapes
- Shapes presented in a logical manner and shows understanding of the assignment and vocabulary.

Instructions:

- **Step 1:** Select 6 (six) 3D shapes from the available shapes:
- **Step 2:** Calculate Surface area and Volume of shapers for City
- **Step 3:** Map out your city on graph paper making notes on the details such as area of buildings, general layout of roads and buildings and measurements for distance.
- **Step 4:** Incorporate the required geometry terms for city

Grading Scale:

_____ / 20 6 Geometrical Shapes are present
_____ / 30 Volume and Surface Area are calculated for all shapes.
_____ / 30 Math Vocabulary is present in the project correctly and expressed
_____ / 20 Project has organization and shows understanding of the assignment.