

P.S. 035 Manhattan High School

Course Code: MGS21QQB

Syllabus for: Geometry

Teacher Name: Pena

Year and Term: 2020 - 2021 Term 1

Learning Standards:

G-CO - Congruence

G-SRT - Similarity, Right Triangles, & Trigonometry

G-MG - Modeling with Geometry

G - GMD - Geometric Measurement & Dimension

G-GPE - Expressing Geometric Properties with Equations

G-C - Circles

Course Description:

Hello and welcome to the Geometry Class. The Geometry curriculum is packed to the brim with all kinds of math goodness. Our studies will take us through the fundamentals of geometry, laying out the foundation needed for more advanced mathematics. We will consistently hone our reasoning skills, model with mathematics, and solve real-world problems involving all of the aforementioned topics.

This year is going to be unlike any before. With school being partially remote we are going to make every effort to communicate clearly, and

Calendar or Unit Map:

1.2 - Points, Lines, and Planes, 1.5 - Exploring Angle Pairs, 1.7 - Midpoint and Distance in the Coordinate Planes, 3.1 - Lines and Angles, 3.2 - Properties of Parallel Lines, 3.3 - Proving Lines Parallel, 3.4 - Parallel and Perpendicular Lines, 3.5 - Parallel Lines and Triangles, 3.6 - Constructing Parallel and Perpendicular Lines, 3.7 - Equations of Lines in a Coordinate Plane, 3.8 - Slopes of Parallel and Perpendicular Lines, 4.1 - Congruent Figures, 4.2 - Triangle Congruence by SSS and SAS, 4.3 - Triangle Congruence by ASA and AAS, 4.4 - Using Correspondence Parts of Congruent Triangles, 4.5 - Isosceles and Equilateral Triangles, 4.6 - Congruence in Right Triangles, 4.7 - Congruence in Overlapping Triangles, 5.1 - Midsegments in Triangles, 5.2 - Perpendicular and Angle Bisectors, 5.3 - Bisectors in Triangles, 5.4 - Medians and Altitudes, 5.5 - Indirect Proof, 5.6 - Inequalities in One Triangle, 5.7 - Inequalities in Two Triangles

Course Materials:

A notebook/binder
A pencil
A folder to keep homework and class worksheets

Grading Policy:

Tests & Quizzes (15%): Tests and quizzes are a way for me to check in and see if you really do understand the material.

Homework (40%): Homework is an important part of class because it is designed to reinforce what we are working on in class. You will be assigned homework throughout the week, which will be due the following class. In order to receive credit, you must show all of your work, including work that was done on the calculator. If you are absent, homework will be due when you come back.

Participation (30%): It is important that you actively engaged in your own learning, which means that you come to class on time, and prepared to work. That being said, in order to participate you must come to class/meetings. If you are regularly absent, that will have a negative effect on your grade.week.

Other Expectations:

If you are absent, you are responsible to getting the information that you missed. Upon return, get the handouts you missed from the organizer, and copy notes from a peer instead of doing the Do Now.