

# P.S. 035 Manhattan High School Course Syllabus

Course Code: MGF22-02

Course Name: Geometry 2/2

Teacher Name: Watkins

Year and Term: Summer 2020

## **Learning Standards and Course Objectives:** **At the end of this six weeks course students will be able to:**

- Identify and explain Congruence and Similarity
- Identify the measurements and properties of Triangles
- Use formulas to calculate measurements (geometric measurements and dimensions)
- Understand and Expressing Geometric Properties with Equation
- Model with Geometry

**Course Description:** The Geometry course includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, trigonometry, and analytic geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument.

## **Course Outline:**

### **Week 1: Review and Introduction**

### **Week 2: Proportion and Similarity**

Week 3: The Pythagorean Theorem

Week 4: Perimeter and Area / Measuring Figures

Week 5: Review and Assessment

Week 6: Culminating Project/Activity

**Grading Policy:** Students will earn a grade of “CR/P” by earning a minimum of 400 points. Students will earn points by completing assignments that are worth 50-120 points.

**Other Expectations:** Students will complete and submit assignments in a timely manner. Students will participate in weekly Google Meets sessions