

Course Name: Geometry

Duration: 1 Semester Full Year

Grade Level: 9th 10th 11th 12th (check all that apply)

Are there any prerequisites for the course?

Complete Algebra 1.

WHAT this course is about:

This course will build the skills you need to prepare for Algebra 2, SBAC, and SAT.

WHY take this course:

This course is required for graduation and is needed to take Algebra 2.

WHAT you'll learn:

- Review of Algebra skills—Equations & Inequalities
- Solving Lines
- Solving Angles
- Right Triangles and Right Triangle Trig
- Circles—Sectors and Arcs
- Factoring, Solving Quadratics, & Transformations

The textbook is Carnegie Learning Geometry and you will use a mix of Mathia and Khan Academy.

WHAT you'll do:

- You will learn to connect multiple representations of concepts expressed graphically, numerically, analytically, and verbally. The connections between these representations are important.
- You will learn to construct geometric figures using a compass, ruler, and protractor.
- You will learn to communicate mathematically. Not only to solve a problem but to properly justify and prove your answer.

WHERE this could take you:

Next you will take Algebra 2 if you have been strong in both Algebra 1 and Geometry. If you feel your skills in both need more time to develop you can take Intermediate Math to better prepare for Algebra 2.

OPTIONAL Course Outline (“scope and sequence”, sequence chart, etc.)

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