

Geometry • Geometry Advanced

The following topics / units are covered across the two classes:

Basics of Geometry	Quadrilaterals and Other Polygons
Reasoning and Proofs	Similarity
Parallel and Perpendicular Lines	Right Triangles and Trigonometry
Transformations	Circles
Congruent Triangles	Circumference, Areas, and Volume
Relationships with Triangles	Spherical Geometry and Fractals (Adv Geo only)

Geometry

- The workload is significantly lower than in Advanced Geometry. Assigned work is intended to be completed in class, with minimal homework time.
- Though there is significant overlap in the course content with Advanced Geometry, all topics are more limited in scope and rigor.
- Test questions are based on examples shown in class and the assigned homework.
- Exiting Geometry, students generally take Algebra 2 or Algebra 2 Advanced.

Advanced Geometry

- The workload is heavier than in Geometry so students can be exposed to more varieties and levels of problem solving.
- Advanced Geometry includes all topics covered in Geometry, but all are taught at a greater level of depth and rigor. The Right Triangles and Trigonometry unit is significantly expanded compared to the Geometry course.
- Test questions are based on examples shown in class, the assigned homework, but also extend beyond what has been shown in class or assigned work.
- Exiting Advanced Geometry, students will generally move on to Algebra 2 Advanced or Algebra 2/Pre-Calculus Honors.