

Pacing Overview**

1st 9 Weeks		2nd 9 Weeks		3rd 9 Weeks		4th 9 Weeks	
Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6		

**Note: throughout the year units may shift due to testing and school activities

Unit Overviews

Unit 1: Foundations of Geometry

Timeline: 3.5 Weeks

Summary: In order for students to be successful for the entire year, students will need to start with an introduction to basic Geometry terms, definitions and concepts. This will include:

- Coordinate Geometry (2 Weeks)
- Angles (1.5 Weeks)

Unit 2: Logic and Proofs

Timeline: 3.5 Weeks

Summary: Students will develop their logic and reasoning skills through the use of Algebraic and Geometric Proofs. This will include:

- Geometric Reasoning (2 Weeks)
- Parallel Lines (1.5 Weeks)

Unit 3: Triangles

Timeline: 8 Weeks

Summary: Students will continue to use their logic and reasoning skills through the study of triangle properties and proving triangles are similar and proving triangles congruent. This will include:

- Triangle Properties (1.5 Weeks)
- Congruent Triangles (1.5 Weeks)
- Similar Triangles (2 Weeks)
- Right Triangles (3 Weeks)

Unit 4: 2D and 3D Figures

Timeline: 9 Weeks

Summary: Students will find study properties of quadrilaterals and find the area of all two-dimensional figures. They will also find surface area and volume of three-dimensional figures and use these skills to solve problems. This will include:

- Quadrilaterals (2 Weeks)
- Area of 2D Figures (2.5 Weeks)
- Surface Area and Volume of 3D Figures (4.5 Weeks)

Unit 5: Circles

Timeline: 3.5 Weeks

Summary: Students will study properties and theorems of circles and be able to use and apply those theorems. This will include:

- Parts of Circles (1.5 Weeks)
- Segments and Angles in Circles (2 Weeks)

Unit 6: Constructions, Transformations and Probability

Timeline: 3.5 Weeks

Summary: Students will use constructions to investigate properties of geometric figures; perform transformations of figures; and review the use of probability as it might relate to Geometry. This will include:

- Transformations (2 Weeks)
- Constructions (0.5 Weeks)
- Probability (1 Week)