**Geometry**

**2020-2021 School Year Weekly Calendar**

***Short Weeks Are In Red***

**First Six Weeks**

**Week 1, August 12th-14th**

Euclidean Geometry

Defining Terms

**Week 2, August 17th-21st**

Measuring Length and Angles

Conditional Statements and Equivalence

Compound Statements

**Week 3, August 24th -28th**

Introduction to Proof

Linear Pairs and Vertical Angles

**Week 4, August 31st –September 4th**

Complementary and Supplementary Angles

Performance Task: Constructions

Unit Test

**Week 5, September 8th- 11th**

Reflections

Translations

**Week 6, September 14th- 18th**

Rotations

Compositions

Symmetry

**Second Six Weeks**

**Week 1, September 21st -25th**

Unit Test

Slope of a Line

Partitioning a Line Segment

**Week 2, September 28th –October 2nd**

Parallel and Perpendicular Lines

Lines Cut by a Transversal

**Week 3, October 5th -9th**

Proving Lines Parallel

Slopes of Parallel and Perpendicular Lines

**Week 4, October 13th -16th**

Writing Linear Equations

Unit Test

Triangle Angle Theorems

**Week 5, October 19th – 23rd**

Triangles and Their Side Lengths

Triangle Inequalities

Isosceles Triangles

**Week 6, October 26th – 30th**

Centroid and Orthocenter

Incenter and Circumcenter

Unit Test

**Third Six Weeks**

**Week 1, November 2nd -6th**

Congruent Figures

Triangle Congruence: SAS

Triangle Congruence: ASA and AAS

**Week 2, November 9th – 13th**

Triangle Congruence: SSS and HL

Using Triangle Congruence Theorems

**Week 3, November 16th – 20th**

Performance Task: Congruency Proofs

Unit Test

Dilations

**Week 4, November 30th – December 4th**

Similar Figures

Triangle Similarity: AA

Triangle Similarity: SSS and SAS

**Week 5, December 7th – 11th**

Using Triangle Similarity Theorems

Right Triangle Similarity

Directed Line Segments and Modeling

**Week 6, December 14th – 18th**

Unit Test

**Cumulative Exam**

**Fourth Six Weeks**

**Week 1, January 5th – 8th**

Exploring the Pythagorean Theorem

Triangle Classification Theorems

**Week 2, January 11th – 14th**

Special Right Triangles

**Week 3, January 19th -22nd**

Solving for Side Lengths of Right Triangles

Solving for Angle Measures of Right Triangles

**Week 4, January 25th -29th**

Unit Test

Parallelograms

Proving a Quadrilateral Is a Parallelogram

**Week 5, February 1st -5th**

Special Parallelograms

Figures in the Coordinate Plane

**Week 6, February 8th -12th**

Unit Test

Central Angles

Inscribed Angles

**Week 7, February 16th – 19th**

Secants, Tangents, and Angles

Special Segments

**Fifth Six Weeks**

**Week 1, February 22nd – 26th**

Circumference and Arc Length

Area of a Circle and a Sector

**Week 2, March 1st – 5th**

Equation of a Circle

Unit Test

Angle Measures of Polygons

**Week 3, March 8th -11th**

Area of Regular Polygons

 Area of Composite Figures

**Week 4, March 22nd – 26th**

Applications of Slope and the Distance Formula

 Unit Test

 Three-Dimensional Figures and Cross Sections

**Week 5, March 29th – April 1st**

Volume of Prisms

 Volume of Pyramids

**Week 6, April 5th – 9th**

Volume of Cylinders, Cones, and Spheres

**Week 7, April 13th – 16th**

Cavalieri's Principle and Volume of Composite Figures

**Sixth Six Weeks**

**Week 1, April 19th -23rd**

Changing Dimensions of 3-D Figures

Surface Area

**Week 2, April 26th -30th**

Unit Test

Sets and Venn Diagrams

**Week 3, May 3rd -7th**

Theoretical and Experimental Probability

Independent and Mutually Exclusive Events

**Week 4, May 10th – 14th**

Conditional Probability

Probability and Two-Way Tables

**Week 5, May 17th -21st**

Probability with Combinations and Permutations

Unit Test

**Week 6, May 24th -26th**

 **Cumulative Exam**