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| Time Frame | Topic/Unit | Skills/Concepts | Major Assessments | Core Standards | Resources |
| Week 1-5 | **Unit 1: Essential Geometric Terms and Concepts** | * Points, Distances, and Segments * Lines, Rays, and Angles * Types of Angles * Complements and Supplements * Circles and Arcs * Constructing a Triangle Given its Sides * Additional Geometric Terminology * More Properties of Lines | * U1 Mid-Unit Quiz * U1 Exam | G-CO.1  G-CO.12 | eMath Curriculum used throughout |
| Week 6-10 | **Unit 2: Transformations, Rigid Motions, Congruence** | * Transformations * Rotations * Reflections * Isosceles Triangles * Translations * Congruence and Rigid Motions * Basic Rigid Motion Proofs * Congruence Reasoning About Triangles * Symmetries of a Figure | * U2 Mid-Unit Quiz * U2 Exam | G-CO.2  G-CO.3  G-CO.4  G-CO.5  G-CO.6  G-CO.7  G-CO.9  G-CO.10 |  |
| Week 11-14 | **Unit 3: Euclidean Triangle Proof** | * Drawing Inferences from Givens * The Axioms of Equality * Triangle Congruence Theorems * CPCTC | * U3 Quiz * U3 Exam | G-CO.9  G-CO.10 |  |
| Week 15-19 | **Unit 4: Constructions** | * Introduction to Constructions * Constructing Angles and Parallel Lines * Constructing Perpendicular Lines * The Circumscribed Circle * Bisecting an Angle * The Inscribed Circle of a Triangle * Inscribing Regular Polygons | * U4 Mid-Unit Quiz * U4 Exam | G-CO.12  G-C.3  G-CO.13 |  |
| Week 20-26 | **Unit 5: The Tools of Coordinate Geometry** | * Slope and Parallelism * Slope and Perpendicularity * Equations of Lines * The Point-Slope Form of a Line * Horizontal and Vertical Lines * The Pythagorean Theorem * The Distance Formula * The Midpoint Formula * Rotations in the Coordinate Plane * Reflections in the Coordinate Plane * Translations in the Coordinate Plane | * U5 Mid-Unit Quiz * U5 Exam | G-GPE.4  G-GPE.5  G-SRT.8  G-CO.5 |  |
| Week 27-30 | **Unit 8: Right Triangle Trigonometry** | * Similar Right Triangles * Trigonometric Ratios * Trigonometry and the Calculator * Solving for Missing Sides of a Right Triangle * Trigonometric Applications * More Trigonometry Applications | * U8 Mid-Unit Quiz * U8 Exam | G-SRT.6  G-SRT.7  G-SRT.8 |  |
| Week 31-38 | **Unit 10: Measurement and Modeling** | * Perimeter * Circumference of a Circle * Area of Polygons * Area of a Circle * Sectors of Circles * Radian Measure of Angles * Solids and their Cross Sections * Volume of Prisms and Cylinders * Volume of Pyramids and Cones * Spheres * Volume of a Truncated Cone | * U10 Mid-Unit Quiz * U10 Exam | G-GPE.7  G-MG.1  G-MG.2  G-MG.3  G-GMD.1  G-GMD.3  G-GMD.4  G-C.1  G-C.5 |  |