Grade 10 Year Plan 2025-2026

August 27, 2025 – November 2, 2025	November 3, 2025 – January 15, 2026	January 16, 2026 – March 23, 2026	March 24, 2026 – June 6, 2026
Grade 10 Geometry			
Unit 1: FOUNDATIONS OF GEOMETRY **Standards:** G.CO.1, G.CO.9, G.GPE.4, G.GPE.6 **Module 1: Geometry in the Coordinate Plane** **Standards Covered:** • Understanding Points, Lines, and Planes • Measuring and Classifying Angles • Identifying and Naming Polygons and Other Plane Figures • Applying the Distance Formula in Problem Solving	**Unit 4: TRIANGLE CONGRUENCE** **Standards:** G.CO.6, G.CO.7, G.CO.8, G.CO.9, G.CO.10 **Module 7: Congruent Triangles and Polygons** • Understand and Identify Congruent Figures • Identify Corresponding Parts of Congruent Figures **Module 8: Triangle Congruence Criteria** • Explore ASA, SAS, and SSS Triangle Congruence • Develop AAS and HL Congruence Conditions	**Unit 6: QUADRILATERALS, POLYGONS, AND TRIANGLE SIMILARITY** **Standards:** G.CO.11, G.SRT.5, G.GPE.4 **Module 11: Quadrilaterals and Polygons** • Identify and Apply Properties of Parallelograms • Determine Conditions for Parallelograms • Explore Properties and Conditions for Rectangles, Rhombuses, and Squares	**Unit 8: PROPERTIES OF CIRCLES** **Standards:** G.C.1, G.C.2, G.C.3, G.C.5, G.GPE.1 **Module 15: Angles and Segments in Circles** • Explore Central and Inscribed Angles • Identify Angles in Inscribed Quadrilaterals • Investigate Tangents and Circumscribed Angles • Analyze Circles in the Coordinate Plane **Module 16: Relationships in Circles** • Examine Segment Relationships in Circles • Determine Angle Relationships in Circles **Module 17: Circumference and Area of Circles** • Measure and Calculate Circumference and Area • Measure Arc Length and Apply Radians • Find and Apply Sector Area
Unit 2: PARALLEL AND PERPENDICULAR LINES **Standards:** G.CO.9, G.CO.10, G.CO.11, G.GPE.4, G.GPE.5 **Module 3: Lines and Transversals** • Explore Parallel Lines Cut by a Transversal • Prove Lines are Parallel • Prove Lines are Perpendicular	**Unit 5: RELATIONSHIPS WITHIN TRIANGLES** **Standards:** G.CO.10, G.CO.11, G.SRT.5, G.GPE.6	**Unit 7: RIGHT TRIANGLE TRIGONOMETRY** **Standards:** G.SRT.6, G.SRT.7, G.SRT.8 **Module 13: Trigonometry in Right Triangles** • Define and Apply the Tangent Ratio • Explore Sine and Cosine Ratios • Solve Problems Involving Special Right Triangles • Apply Trigonometry to Real-World and Mathematical Problems	

Module 4: Lines on the Coordinate Plane

- Determine the Slope and Equations of Parallel Lines
- Determine the Slope and Equations of Perpendicular Lines

Module 9: Properties of Triangles

- Explore Angle Relationships in Triangles
- Construct and Apply Perpendicular Bisectors
- Explore Angle Bisectors, Medians, and Altitudes
- Apply the Triangle Midsegment Theorem

Module 10: Triangle Inequalities

- Understand and Apply Inequalities Within a Triangle
- Compare and Analyze Inequalities Between Two Triangles

Unit 9: SURFACE AREA AND VOLUME

Standards: G.GMD.1, G.GMD.3, G.MG.1, G.MG.2, G.MG.3

Module 18: Surface Area of 3D Figures

- Identify Three-Dimensional Figures
- Calculate Surface Areas of Prisms and Cylinders
- Determine Surface Areas of Pyramids, Cones, and Spheres

Module 19: Volume of 3D Figures

- Find Volumes of Prisms and Cylinders
- Calculate Volumes of Pyramids, Cones, and Spheres
- Apply Volume in Real-World Modeling Problems