

MIAMI-DADE COUNTY PUBLIC SCHOOLS

District Pacing Guide

Geometry Honors

2024-2025

Course Code: 120632001

1 st Nine Weeks	2 nd Nine Weeks	3 rd Nine Weeks	4 th Nine Weeks
I. Basics of Geometry 1.1 Points, Lines, and Planes 1.2 Measuring and Constructing Segments 1.3 Using Midpoint and Distance Formula 1.4 Perimeter and Area in the Coordinate Plane 1.5 Measuring and Constructing Angles 1.6 Describing Pairs of Angles II. Reasoning and Proofs 2.1 Conditional Statements 2.2 Inductive and Deductive Reasoning 2.3 Postulates and Diagrams 2.4 Algebraic Reasoning 2.5 Proving Statements about Segments and Angles 2.6 Proving Geometric Relationships III. Parallel and Perpendicular Lines 3.1 Pairs of Lines and Angles 3.2 Parallel Lines and Transversals 3.3 Proofs with Parallel Lines 3.4 Proofs with Perpendicular Lines 3.5 Equations of Parallel and Perpendicular Lines IV. Transformations – Part A 4.1 Translations 4.2 Reflections 4.3 Rotations 4.4 Congruence and Transformations 4.5 Dilations 4.6 Similarity and Transformations	IV. Transformations – Part B (Please refer to the Geometry Suggested Pace) V. Congruent Triangles 5.1 Angles of Triangles 5.2 Congruent Polygons 5.3 Proving Triangles Congruence by SAS 5.4 Equilateral and Isosceles Triangles 5.5 Proving Triangles Congruence by SSS 5.6 Proving Triangles Congruence by ASA and AAS 5.7 Using Congruent Triangles 5.8 Coordinate Proofs VI. Relationships Within Triangles 6.1 Perpendicular and Angle Bisectors 6.2 Bisectors of Triangles 6.3 Median and Altitudes of Triangles 6.4 The Triangle Midsegment Theorem 6.5 Proof by Contradiction and Inequalities in One Triangle VII. Quadrilaterals and Other Polygons 7.1 Angles of Polygons 7.2 Properties of Parallelograms 7.3 Proving that a Quadrilateral is a Parallelogram 7.4 Properties of Special Parallelograms 7.5 Properties of Trapezoids	VIII. Similarity 8.1 Similar Polygons 8.2 Proving Triangles Similarity by AA 8.3 Proving Triangles Similarity by SSS and SAS 8.4 Proportionality Theorems IX. Right Triangles and Trigonometry 9.1 The Pythagorean Theorem 9.2 Special Right Triangles 9.4 The Tangent Ratio 9.5 The Sine and Cosine Ratios 9.6 Law of Sines and Cosines X. Circles 10.1 Lines and Segments That Intersect Circles 10.2 Finding Arc Measures 10.3 Using Chords 10.4 Inscribed Angles and Polygons 10.5 Angle Relationships in Circles 10.6 Segments Relationships in Circles 10.7 Circles in the Coordinate Plane XI. Circumference and Area 11.1 Circumference and Arc Length 11.2 Areas of Circles and Sectors 11.3 Areas of Polygons 11.4 Modeling with Area	XII. Surface Area and Volume 12.1 Cross Sections of Solids 12.2 Surface Areas of Prisms and Cylinders 12.3 Surface Areas of Pyramids and Cones 12.4 Volume of Prisms and Cylinders 12.5 Volume of Pyramids and Cones 12.6 Surface Areas and Volumes of Spheres 12.7 Modeling with Surface Area and Volume 12.8 Solids of Revolutions XIII. Geometry EOC XIV. Getting Ready for Algebra 2 <ul style="list-style-type: none"> • Functions and Transformations • Quadratic Functions • Solving Quadratic Equations