

Carroll ISD Geometry

2021-2022 Year-At-A-Glance

	1 st Grading Period	2 nd Grading Period	3 rd Grading Period	4 th Grading Period
Process Standards	G.1 A, B, C, D, E, F, G Math Process Standards, how students understand and learn mathematics, used throughout the course			
TEKS	Unit 1 - Tools of Geometry G.2A, G.2B, G.4A, G.5B, G.5C Unit 2 - Reasoning and Proof G.4A, G.4B, G.4C, G.5A, G.6A Unit 3 - Parallel and Perpendicular Lines G.2B, G.2C, G.5A, G.5B, G.5C, G.6A	Unit 3 - Cont. Unit 4 - Congruent Triangles G.2B, G.5A, G.6B, G.6C, G.6D Unit 5 - Relationships within Triangles G.5A, G.5C, G.5D, G.6D Unit 6 - Quadrilaterals G.2B, G.5A, G.6E	Unit 6 - Cont. Unit 7 - Proportions and Similarity G.6D, G.7A, G.7B, G.8A, G.10B Unit 8 - Right Triangles and Trigonometry G.6D, G.8B, G.9A, G.9B Unit 9 - Transformations G.3A, G.3B, G.3C, G.3D, G.6C	Unit 10 - Circles G.2B, G.12A, G.12B, G.12D, G.12E (MS Unit 12) Unit 11 - Areas of Polygons and Circles G.10B, G.11A, G.11B, G.12C, G.13B (MS Unit 10) Unit 12 - Extending Surface Area and Volume G.4D, G.10A, G.10B, G.11C, G.11D (MS Unit 11) Unit 13 - Probability and Measurement G.13A, G.13C, G.13D, G.13E
Topic Focus	Unit 1- Tools of Geometry Points, Lines, Planes Segments, Midpoint, Distance Angles and Angle Pairs Constructions Unit 2- Reasoning and Proof Conditional Statements	Unit 3 - Parallel and Perpendicular Lines Parallel Lines and Related Angles Proving Lines are Parallel Slopes of Parallel & Perpendicular Lines Equations of Lines	Unit 6 - Quadrilaterals Angle Measures in Polygons Properties of Parallelograms Properties of Special Parallelograms Properties of Trapezoids and Kites Coordinate Geometry	Unit 10 - Circles (MS Unit 12) Angle Measures (Degree/Radian) Arc Measures Chords, Tangents and Secants Segment Lengths in Circles Angle Relationships in Circles Equations of Circles Area and Circumference Arc Length

	<p>Inductive and Deductive Reasoning Algebraic Properties & Proofs Basic Geometry Proofs Unit 3 - Parallel and Perpendicular Lines Parallel Lines and Related Angles Proving Lines are Parallel Slopes of Parallel & Perpendicular Lines Equations of Lines</p>	<p>Unit 4 - Congruent Triangles Triangle Sum Properties Proving Triangles Congruent Isosceles Triangle Theorem Unit 5 - Relationships within Triangles Midsegment Theorem Special Segments in Triangles Triangle Inequalities Unit 6 - Quadrilaterals Angle Measures in Polygons Properties of Parallelograms Properties of Special Parallelograms Properties of Trapezoids and Kites Coordinate Geometry</p>	<p>Unit 7 - Proportions and Similarity Ratios, Proportions, Geometric Mean Similar Polygons Proving Triangles Similar Dilations Unit 8 - Right Triangles and Trigonometry Pythagorean Theorem and its Converse Pythagorean Triples Similarity in Right Triangles Special Right Triangles Trigonometry Unit 9 - Transformations and Symmetry Translations Reflections Rotations Dilations Symmetry Composite Transformations</p>	<p>Unit 11- Areas of Polygons and Circles (MS Unit 10) Area of: Triangles & Parallelograms Trapezoids, Rhombuses, Kites Circles & Sectors Regular Polygons Composite Figures Perimeter & Area of Similar Figures Geometric Probability Unit 12 - Extending Surface Area and Volume (MS Unit 11) Nets, Cross Sections, and Isometric and Orthographic Views Surface Area & Volume of: Prisms and Cylinders Pyramids and Cones Spheres Composite Solids Similar Solids Spherical Geometry Unit 13 - Probability and Measurement Sample Spaces Permutations/Combinations Independent Events/Dependent Events Conditional Probability Mutually Exclusive Events</p>
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Additional Resources McGraw-Hill Geometry 2016	Unit 1 - Chapter 1 Sections 1.1-1.5, 2.5	Unit 3- Chapter 3 Sections 3.1-3.6	Unit 6 - Chapter 6 Sections 6.1-6.6	Unit 10 - Chapter 10 Sections 10.1-10.8
	Unit 2 - Chapter 2 Sections 2.1-2.4, 2.6-2.8	Unit 4 - Chapter 4 Sections 4.1-4.6, 4.8	Unit 7 - Chapter 7 Sections 7.1-7.5, 7.7	Unit 11 - Chapter 11 Sections 11.1-11.5, 13.3
	Unit 3- Chapter 3 Sections 3.1-3.6	Unit 5 - Chapter 5 Sections 5.1-5.3, 5.5, 5.6	Unit 8 - Chapter 8 Sections 8.1- 8.6	Unit 12 - Chapter 12 Sections 1.7, 12.1-12.8
		Unit 6 - Chapter 6 Sections 6.1-6.6	Unit 9 - Chapter 9 Sections 9.1-9.6	Unit 13 - Chapter 13 Sections 13.1, 13.2, 13.5, 13.6
			Unit 10 - Chapter 10 Sections 10.1-10.8	

Power Standards: G.2B, G.2C, G.3B, G.5A, G.6A, G.6B, G.7B, G.9A, G.9B, G.12D