

## Geometry Scope and Sequence

<b>Unit 1</b>	<b>Basic Geometry</b>	<b>Unit 6</b>	<b>Right Triangles Part I - characteristics</b>
	Shapes- area, perimeter, volume, etc.		Pythagorean Theorem
	line, point, parallel and perpendicular		Distance Formula/midpoint
	Cartesian Coordinate Plane review		shapes on Coordinate plane
	Shapes - on coordinate plane		Review slope formula
<b>Unit 2</b>	<b>Angles</b>	<b>Unit 7</b>	<b>Right Triangles Part II - Trig functions</b>
	vertical angles, transversals proofs		sin, cos, and tan
	bisecting angles, rays, etc. construct		inverse angle
			geometric identities (proof)
<b>Unit 3</b>	<b>transformations</b>		Law of sines and cosines
	translations		Inverse: csc, sec, and cot
	reflections		
	rotations	<b>Unit 8</b>	<b>Polygons</b>
	rotations around a point		Polygons and special quadrilaterals
	dilations		Inscribed shapes
	line of symmetry		
		<b>Unit 9</b>	<b>Circles Part I</b>
<b>Unit 4</b>	<b>Triangles part I</b>		Characteristics and formulas
	classifying triangle review		equations of a circle
	property of triangles		relationship between radii, chords, etc.
	congruency proofs (ASA, SSS, etc.)		
		<b>Unit 10</b>	<b>Circle Part II</b>
<b>Unit 5</b>	<b>Triangles Part II</b>		Properties of chords, tangents, secants
	special triangles, lines and points		apply circumference and area formulas
	Ratios and proportions		Unit circle
	similar triangles		
	construct online	<b>Unit 11</b>	<b>3D shapes</b>
			prisms, cylinders, pyramids, cones etc.