


# Geometry

	Pass	Content	# of days	ACT	Assessment
<b>1<sup>st</sup> nine weeks</b>	1.1, 1.2	Chapter 1: Patterns, Inductive Reasoning, Points, Lines, Planes, Segments, Angles, Perimeter, Circumference, Area	17	24 - 27	
	1.1, 1.2, 2.3b, 2.4a, 2.5a, 3.1	Chapter 2: Conditional Statements, Definitions, Biconditional Statements, Deductive Reasoning, Reasoning with Properties from Algebra, Proofs	13	24 - 27	
	1.1, 2.2a, 2.2 b, 5.1	Chapter 3: Parallel and Perpendicular Lines, Transversals and Angles, Proving Lines are Parallel, Using Properties of Parallel Lines, Parallel and Perpendicular Lines in the Coordinate Plane	13	28 - 32	
<b>2<sup>nd</sup> nine weeks</b>	1.1, 2.5a, 2.5b	Chapter 4: Triangles and Angles, Congruent Figures, Proving Triangles Congruent, Using Congruent Triangles, Isosceles, Equilateral and Right Triangles	15	28 - 32	
	2.3.d	Chapter 5: Midsegment Theorem, Inequalities in One Triangle, Inequalities of Two Triangles	5	24 - 27	
	2.3a, 2.3b, 2.3c, 2.3d, 5.2a	Chapter 6: Polygons, Parallelograms, Rhombuses, Rectangles, Squares, Trapezoids, Kites, Special Quadrilaterals, Areas of Triangles and Quadrilaterals	15	33 - 36	
	5.2 b	Chapter 7: Rigid Motion in a Plane, Reflections, Rotations, Translations	6	20 - 23	
<b>3<sup>rd</sup> nine weeks</b>	2.4a, 2.4b, 2.5a, 2.5c, 4.1b	Chapter 8: Ratio, Proportion, Problem Solving with Proportions, Similar Polygons and Triangles, Proving Triangles are Similar, Proportions and Similar Triangles	14	33 - 36	
	3.1, 3.2, 3.3, 3.4	Chapter 9: The Pythagorean Theorem and its Converse, Special Right Triangles, Trigonometric Ratios, Solving Right Triangles	14	28 - 32	
	2.6a, 2.6b	Chapter 10: Tangents to Circles, Arcs, Chords, Inscribed Angles, Other Angle Relationships in Circles, Segment Lengths in Circles	14	33 - 36	
<b>4<sup>th</sup> nine weeks</b>	2.3d	Chapter 11: Angle Measures, Perimeters and Areas of Polygons, Similar Figures, Circles and Sectors, Circumference and Arc Length	10	28 - 32	
	4.1a, 4.1b, 4.2, 4.3	Chapter 12: Solids, Surface Area and Volume of Prisms, Cylinders, Pyramids, Cones, and Spheres, Similar Solids	13	33 - 36	
		Review for the EOI	12		
	1.3	Miscellaneous: Perpendiculars and Bisectors, Bisectors of a Triangle, Medians and Altitudes of a Triangle, Inequalities in Two Triangles, Equations of Circles, Non-Euclidean Geometry	10		