

Geometry										
1st Nine Weeks		2nd Nine Weeks		3rd Nine Weeks		4th Nine Weeks				
Introduction to Geometry Logic and proofs Points lines and planes Distance formula Pythagorean theorem Midpoint formula parallel lines construction TEST 1	21 days	Congruent Triangles Identify and classify triangles Triangle sum Exterior angle theorem Corresponding parts of congruent triangles isocles triangles SSS, SAS, ASA, AAS, HL equilateral triangles TEST 1	18 days	Similar triangles parts similar triangles similarity postulate theorem proportional triangles with parallel lines corresponding angles with bisectors altitudes and medians TEST 1	9 days	Circles Parts of a circle Circumference Measures of angles and arcs arcs and chords TEST 1	7 days			
				Right triangles and trigonometry Relationships parts of triangles Geometric mean		More Circles Tangents and secant inscribed angle and angle measures special segments of circles equations of circles measures of segments in the interior and exterior equations of circles TEST 2		2D shapes Area and Perimeter: kites, trapezoid, rhombus parallelogram, triangles, regular polygon and composite Area/circumferences of circle and sector TEST 3		
				Transformations and symmetry		3D shapes				
angles congruent angles angle bisectors angle pair relationships special angle pairs angle relationship proofs TEST 2	8 days	Relationships in triangles Midsegements and medians Perpendicular angle bisectors Altitudes Triangle inequality applications TEST 2	10 days	Pythagorean theorem 45-45-90 triangles 30-60-90 triangles Trigonometry in right triangles Angles of depression and elevation TEST 2	15 days	2D shapes Area and Perimeter: kites, trapezoid, rhombus parallelogram, triangles, regular polygon and composite Area/circumferences of circle and sector TEST 3	13 days			
Parallel lines cut by transversals Parallel and perpendicular line Equations of parallel lines Equations of perpendicular lines TEST 3		10 days		Rectangles and parallelograms interior/exterior angles of polygons Sides and angles of rectangles and parallelograms Sides and angles of rhombi Sides and angles of squares Sides and angles of kites Sides and angles of trapezoids		12 days		Reflections, Rotations, Translations, Dilations Compostions of tracnsformations symmetry TEST 3	15 days	3D shapes surface area:

TEST 3	
proportions and similarity	8 days
Similar figures	
Ratios and proportions	

prisms and cylinders	10 days
pyramids and cones	
Volume:	
prisms and cylinders	
pyramids and cones	
TEST 4	
Probability	7 days
Sem Final	