Lesson		Time Frame (# of days)			
	Vocabulary	***Traditional***	***Interactive***		
Unit 1: Reasoning & Proof				**Total Days**	
1.1: Inductive Reasoning	inductive reasoning	1	1	145	135
1.2: Conditional Statements	hypothesis, conclusion, conditional statement, counterexamples	1	1		
1.3: Converse and Biconditional Statements	converse, biconditional, good definition	1	1		
1.4: Introduction to Proofs	paragraph proof, flow chart proof, two column proof (using algebra)	2	2		
Review		1	1		
Unit 1 Assessment		1	1		
Unit 2: Tools of Geometry					
2.1: Undefined Terms	Point, Line, Plane, intersection	1	1		
2.2: Defined Terms	Ray, Segment, Angle, Parallel, Perpedicular	1	1		
review		1	1		
Vocab Quiz		0.5	1		
2.3 Measuring Segments & Angles	Segment Addition Postulate, Angle Addition Postulate	1	2		
2.4 Congruence of Segments & Angles	Congruence, Midpoint, Distance	2	2		
2.5 Proofs of Segments & Angles		2	1		
Review		1			
Unit 2 Assessment		1	1		
Unit 3: Lines and Angles					
3.1 Exploring Angle Pairs	Supplementary angles, Complementary Angles, Linear Pairs of Angles, Vertical Angles, Adjacent Angles	2	3		
3.2 Proving Theorems About Angles		2	1		
Vocab Quiz		0.5	1	**Interactive: maybe not full two column proofs, but they must be able to identify "vertical angles are congruent**	
3.3 Lines and Angles	Transversal, Corresponding Angles, Alternate Interior Angles, Alternate Exterior Angles, Consecutive Interior Angles (SSI)	1	2		
3.4 Properties of Parallel Lines	If two lines are parallel, then...	1	2		
3.5 Proving Lines Parallel		2	1	**Interactive: maybe not full two column proofs, but they must be able to identify "corresponding angles are congruent, therefore the lines are parallel"**	
Review		1	1		
Unit 3 Assessment		1	1		
Unit 4: Relationships Within Triangles					
4.1 Classfying Triangles	Acute, obtuse, right, scalene, isosceles, equilateral, equiangular	1	1		
4.2 Parallel Lines and Triangles	Triangle angle sum and exterior angle theorems	1	1		
4.3 Isosceles and Equilateral Triangles	base angles, legs of an isosceles triangle	1	2		
Review		1	1		
4.1-4.3 Assessment		1	1		
4.4 Inequalities in One Triangle	Triangle Inequality Theorem	2	2		
4.5 Inequalities in Two Triangles	Hinge Theorem	1	1		
Review		1	1		
Unit 4 Assessment		1	1		
Unit 5: Triangle Congruence					
5.1 Congruent Figures	Corresponding Parts, Congruent Polygons, Rigid Motion	1	1		
5.2 Triangle Congruence by SSS, SAS,	Included Angle, SSS, SAS, HL	1	1		
5.3 Triangle Congruence by ASA, AAS	Included Side, ASA, AAS,	1	1		

5.1-5.3 Review		1	2
5.1-5.3 Assessment		1	1
5.4 Proofs & Triange Congruence	CPCTC, Overlapping Triangles	3	2
Review		1	1
Unit 5 Assessment		1	1

Unit 6: Quadrilaterals and Parallelograms			
6.1 Polygon Angle-Sum Thoerem	Polygon, regular, irregular, angle-sum theorem	2	2
6.2 The Quadrilateral Family	Quad Family Tree	2	2
6.3 Properties of Parallelograms	finding missing values, is the parallelogram a rectange, rhombus or square?	2	2
6.1-6.3 Review			
6.1-6.3 Assessment		1	1
6.4 Proving a Quadrilateral is a Parallelogram		2	2
Review		1	1
Unit 6 Assessment		1	1

Interactive: maybe not full two column proofs, but they must be able to identify "Opposite sides are congruent, therefore the quadrilateral is a parallelogram"

Unit 7: Similarity			
7.1 Ratio and Proportions	Ratio, proportions	1	1
7.2 Directed Line Segment	Partition, Directed Line Segment	1	1
7.1-7.2 Assessment		1	1
7.3 Similarity	Similar Polygons, scale factor, corresponding parts	2	2
7.4 Scale and Indirect Measurement	scale, indirect measurement	2	2
7.5 Proportions in Triangles	Side-Splitter, Triangle, angle Bisector	1	1
Review		1	1
Unit 7 Assessment		1	1

Unit 8: Right Triangles and Trigonometry			
8.1: The Pythagorean Theorem	Parts of a Right Triangle, The Pythagorean Theorem	2	2
8.2 Special Right Triangles	30-60-90, 45-45, 90	2	-
8.3 Trigonometric Ratios	SOH CAH TOA, opposite, adjacent, theta, hypotenuse	1	2
8.4 Sides of Right Triangles	solving	2	3
8.5 Angles in Right Triangles	solving	1	2
Mini Assessment		1	1
8.6 Applications of Right Triangles and Trigonometry	Angle of elevation, angle of depression.	2	1
8.7 Law of Sines	non-right triangle	2	-
Review		1	1
Unit 8 Assessment		1	1

Unit 9: Circles			
9.1 Intro to Circles	Circle, center radius, diameter, secant, tangent, chord	1	1
9.2 Arcs & Central Angles	arc, central angle, major arc, minor arc, arc addition postulate	2	2
9.3 Circumference & Area	Circumference, Area	2	3
Mini Assessment		1	1
9.4 Arc Length & Sector Area	arc length, sector	3	4
9.5 Circles in the Coordinate Plane	Graphing, equation of a circle	2	-
Review		1	1
Unit 9 Assessment		1	1

Unit 10: Coordinate Plane Geometry

10.1 Midpoint & Distance in the Coordinate Plane	Midpoint, Distance, Midpoint Formula, Distance Formula	1	-	Interactive: Come back to if time at the end of the year
10.2 Slope of a Line	Slope	1	-	
10.3 Slopes of Parallel & Perpendicular Lines	Parallel, Perpendicular, Slope	1	-	
Review		1	-	
Mini Assessment		1	-	
10.4 Vectors	vector, magnitude, direction	2	-	
10.5 Graphing Linear Equations	slope intercept form	1	-	
10.6 Writing Linear Equations	point-slope form	2	-	
Review		1		
Unit 10 Assessment		1	-	

Unit 11: Area			
11.1 Areas of Rectangles & Triangles	Area, rectangle triangle, irregular figure	2	2
11.2 Area of Parallelograms	parallelogram, irregular figure (trapezoid could be parallelogram+triangle)	2	2
11.3 Trigonometry and Area	area of triangles, and parallelograms w/o height, area of regular polygons	3	-
11.4 Perimeter & Area of Similar Figures	similar figure, ratio, perimeter	1	2
Review		1	1
Unit 11 Assessment		1	1

Unit 12: Surface Area & Volume			
12.1: Important Solids & Cross Sections	Pyramid, Cylinder, Pyramid, Cone, Sphere, Cross Section	1	2
12.2: Surface Area of Prisms & Pyrami	Prisms & Pyramids	2	2
12.3 Surface Area of Cylinders and Cones, Spheres	Cylinder, Cone, Sphere	2	2
Review		1	2
Mini Assessment		1	1
12.4 Volumes of Prisms & Pyramids	volume	1	1
12.5 Volumes of Cylinders and Cones, Spheres		1	1
Review		1	2
12.6 Area and Volume of Simlar Figures	similar figure, ratio	2	-
Review		1	1
Unit 12 Assessment		1	1

Unit 13: Transformations			
13.1: Mappings & Functions		1	2
13.2: Reflections		2	2
13.3: Translations		1	2
13.4: Rotations		2	2
Review		1	1
Mini Assessment		1	1
13.5: Dilations		2	3
Review		1	1
Unit 13 Assessment		1	1