

Geometry Curriculum 2013-14

	Unit Name	Content	Skills	Standards: Performance Indicators
September	Unit 1: Logic & Reasoning	Logic	Negation, conjunction, disjunction, conditionals, converse, inverse, contrapositive, biconditional, truth tables	G.G.24, G.G.25, G.G.26, G.G.27
October	Unit 2: Geometric Relationships	Geometric Relationships	Basic geometry vocabulary, midpoint formula, distance formula, segment bisector, angle bisector, segment addition property, angle addition property, complementary angles, supplementary angles, vertical angles, congruent supplements theorem	G.G.66, G.G.67, G.G. 68, G.G.40, 8.G.3, G.G.35
	Unit 3: Parallel and Perpendicular Lines	Parallel and Perpendicular Lines	Solving systems, parallel, parallel vs. skew, alternate interior/exterior angles, corresponding angles, same side interior/exterior angles, transversal, perpendicular, perpendicular bisector, equation of a line	G.G.70, G.G.62, G.G.63, G.G.64, G.G.65, G.G.35, G.G.68, G.G.27
November	Unit 4: Polygons	Polygons	Polygons, parallelogram, rectangle, square, rhombus, trapezoid, interior angle formula, exterior angle formula, perimeter, area	G.G.36, G.G.37
	Unit 5: Triangle Properties	Triangle Properties	Exterior angle theorem, Pythagorean theorem, midsegments, triangle inequality, altitude ratios, angle bisectors, perpendicular bisectors, altitudes, isosceles triangles, exterior angle	G.G.28, G.G.29, G.G.30, G.G.48, G.G.46, G.G.42, G.G.33, G.G.31, G.G.32, G.G.34, G.G.46, G.G.21, G.G.43

			theorem, centroid, orthocenter, incenter, circumcenter	
December	Unit 6: Congruent Triangles	Congruent Triangles	Proving two triangles congruent, AAS, HL, SSS, SAS,	G.G.28, G.G.29, G.G.27
January	Unit 7: More Triangle Proofs	More Triangle Proofs	Coordinate geometry proofs, two column proofs, overlapping triangle proofs	G.G.27, G.G.28, G.G.29, G.G.69
	Midterm	Midterm Review	Review- Previous units	Varies- See above
February	Unit 8: Quadrilaterals	Quadrilaterals	Parallelograms/characteristics/proving, Rhombus/proving, Rectangles/proving, Squares/proving, Trapezoid/proving	G.G.27, G.G.41, G.G.69, G.G.40, G.G.38, G.G.39
	Unit 9: Transformations	Transformations	Translations, Line/point symmetry, point reflections, glide reflections, rotations, dilations, composition of transformations	G.G.54, G.G.56, G.G.60, G.G.58, G.G.55, G.G.57, G.G.59, G.G.61
March	Unit 10: Similar Triangles	Similar Triangles	Proportions, Similar triangle proofs, AA, CPCTC	G.G.45, G.G.47, G.G.44
	Unit 11: 3D Shapes	3D Shapes	Lateral area, surface area, volume, rectangular prism, cylinder, various prisms, planes, pyramid, cone	G.G.11, G.G.12, G.G.13, G.G.14, G.G.15, G.G.16
April	Unit 12: Circles	Circles	Inscribed angles, central angles, circle proofs, tangents, chords, secants, equation of a circle, various circle rules	G.G.51, G.G.49, G.G.27, G.G.50, G.G.74, G.G.71, G.G.72, G.G.73, G.G.52, G.G.53
May	Unit 13: Locus & Constructions	Locus & Constructions	Locus, compound locus, constructing segment bisector, perpendicular bisector,	G.G.22, G.G.23, G.G.17, G.G.18, G.G.19, G.G.20

	Unit 14: Regents Review	Regents Review	angle bisector, parallel lines Review all units; Practice Regents questions, topic review, review sessions afterschool/etc	All Standards- See above
June	Unit 14 Continued... Regents Review		Continued... See above. Geometry Regents- Friday, June 20th PM	All Standards- See above