

Geometry A

Quarter	SOL #	Standard	Timeline
1	G.2a, G.3, G.11	Basic Definitions & Notation A. Points, Lines & Planes B. Angles C. Constructions: Segments & Angles D. Special Pairs of Angles E. Distance & Midpoint Formulas	7 blocks/14 days
	G.1, G.3	Deductive Reasoning A. Inductive vs. Deductive Reasoning (include Laws of Syllogism & Detachment) B. Conditional Statements C. Logic (Venn Diagrams) D. Properties E. Algebraic Proofs	7 blocks/14 days
	G.3, G.4, G.11	Parallel & Perpendicular Lines A. Identify Pairs of Lines & Angles B. Using Parallel Lines & Transversals C. Use Slopes of Lines D. Equations of Lines E. Constructions: \perp from a Point on the Line and a Point Off the Line	7 blocks/14 days
		Review & DBA Testing	2 blocks/4 days
	Total		9 wks.
2	G.2a, G.5, G.9	Congruent Triangles A. Classifying Triangles (use Coordinate Methods) B. Interior/Exterior Angles of Triangles C. Congruent Triangles D. Proving Triangle Congruence using SSS, SAS, ASA, AAS & HL E. Isosceles Triangles	9 blocks/18 days
	G.5, G.6	Relationships in Triangles A. Medians, Altitudes, \angle Bisectors & \perp Bisectors B. Midsegments C. Triangle Inequality Theorems	3 blocks/6 days
	G.5, G.14a	Similar Polygons A. Ratio, Proportion, Geometric Mean B. Similar Polygons C. Similarity Theorems for Triangles D. Proportionality Theorems	8 blocks/16 days
		Midterm Examinations	2 blocks/4 days
	Total		9 wks.

Geometry B

3	G.8 G.9	Quadrilaterals A. Classify Polygons B. Interior & Exterior Angles of Polygons C. Properties of Parallelograms D. Proving Parallelograms E. Rectangles, Rhombuses, & Squares F. Trapezoids	8 blocks/16 days
	G.7	Right Triangles & Trigonometry A. Pythagorean Theorem & Its Converse B. Similar Right Triangles C. Special Right Triangles D. Trigonometric Ratios & Applications	8 blocks/16 days
	G.10	Circles A. Parts of Circles B. Arc and Chord Measures C. Inscribed Angles and Polygons D. Angles formed by Chords, Secants, & Tangents E. Segments formed by Chords, Secants, & Tangents	7 blocks/14 days
		Review & DBA Testing	2 blocks/ 4 days
Total			9 wks.
4		SOL Exam Review will be incorporated into teacher instruction over the fourth quarter	
	G.12, G.13, G.14b	Area & Volume A. Perimeter and Circumference B. Area of Plane Figures C. Volume of Solids D. 2 Dimensional ↔ 3 Dimensional	4 blocks/8 days
	G.2bc, G.9	Transformations A. Translations B. Reflections C. Rotations D. Tessellations E. Dilations	4 blocks/8 days
		SOL Testing	4 blocks/8 days
	G.9	Geometry Extensions	7 blocks/16 days
		Finals Examinations	2 blocks/4 days
	Total		