

**Houston County Schools
Geometry Pacing Guide
2011-2012**

1st NINE WEEKS				
WEEK	SECTION/OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
1	1.1 Patterns/Inductive Reasoning	9	VII-4, VII-8	
	1.2 Points/Lines/Planes	9	VII-4	
	1.3 Postulates	9	VII-4	
2	1.4 Conditional Statements	9	VII-4	
	1.5 Rulers/Compasses/Protractors	9	VII-4	
	1.6 Problem Solving	5, 11	IV-1	
3	2.1 Distance on the Number Line	12	IV-2	
	2.2 Segments/Properties of Real Numbers	12	IV-2	
	2.3 Congruent Segments	12	IV-2	
4	2.4 The Coordinate Plane		V-1, 4; VII-4	
	2.5 Midpoints	12	IV-2, VII-4	
5	AHSGE Review			
6.	3.1 Angles	2, 4	VII-1, 4	
	3.2 Angle Measures (Include #29)	2, 4, 17, 18	VII-1, 4	
	3.3 Angle Addition Postulate	2, 4	VII-1, 4	
7	3.4 Adjacent Angles/Linear Pairs	2, 4	VII-1, 4	
	3.5 Complementary/Supplementary Angles	2, 4	VII-1, 4	
8	3.6 Congruent Angles	2, 4	II-1, VII-1, 4	
	3.7 Perpendicular Lines	2, 4	VII-1, 4	
9	4.1 Parallel Lines/Planes	2	VII-4	
	4.2 Parallel Lines/Transversals	2	VII-1, 4	
	4.3 Transversals/Corresponding Angles	2, 4	VII-1, 4	
	END OF 1 st NINE WEEKS			

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2nd NINE WEEKS

WEEK	SECTION/OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
10	4.4 Proving Lines Parallel	2	VII-1, 4	
	4.5 Slope	1, 2, 12	IV-2, VII-4	
	4.6 Equations of Lines	1, 2, 5, 12	V-1, 2, 4	
11	5.1 Classifying Triangles	3	VII-4	
	5.2 Angles of a Triangle	3	VII-4	
	5.3 Geometry in Motion	13	VII-4	
12	5.4 Congruent Triangles (16.3/16.5)	3, 8, 14	VII-4	
	5.5 SSS/SAS	3, 8	VII-4	
	5.6 ASA/AAS	3, 8	VII-4	
13	6.1 Medians	3, 5	II-1, VII-4	
	6.2 Altitudes/Perpendicular Bisectors	3, 5	VII-4	
	6.3 Angle Bisectors of Triangles	2, 3, 5	II-1, VII-1, 4	
14	6.4 Isosceles Triangles	2, 3, 5	II-1, VII-1, 4	
	6.5 Right Triangles	2, 3, 8	VII-1, 4	
15	6.6 The Pythagorean Theorem	3, 5, 6	VII-2	
	6.7 Distance on the Coordinate Plane	3, 5, 12	IV-2, VII-4	
16	7.1 Segments, Angles, Inequalities	2	II-4, VI-3, VII-1,4	
	7.2 Exterior Angle Theorem	2, 4	V-3, VII-1, 4	
17	7.3 Inequalities Within a Triangle	2, 4	V-3 VII-1, 4	
	7.4 Triangle Inequality Theorem	5	V-3, VII-4	
18	Testing			
END OF 2nd NINE WEEKS/SEMESTER EXAM				

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3rd NINE WEEKS				
WEEK	SECTION/OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
19	8.1 Quadrilateral	3, 4, 5	I-2, II-1, VII-1, 4	
	8.2 Parallelograms	3, 4, 5	VII-1, 4	
	8.3 Tests for Parallelograms	3, 4, 5	VII-1, 4	
20	8.4 Rectangles, Rhombi, Squares	3, 4, 5	VII-1, 4	
	8.5 Trapezoids	3, 4, 5	VII-1, 4	
21	9.5 Triangles and Parallel Lines	2, 3, 8	II-1, VII-3	
	9.6 Proportional Parts and Parallel Lines	8	I-4, VII-3	
	9.7 Perimeters and Similarity	8	I-2, II-1	
22	10.1 Naming Polygons	3	VII-4	
	10.2 Diagonals and Angle Measure	2, 4	VII-1, 4	
	10.3 Areas of Polygons	3, 11	IV-1, 4	
23	10.4 Areas of Triangles and Trapezoids	3, 11	IV-1, VII-4	
	10.5 Areas of Regular Polygons	3, 11	IV-1, VII-4	
	10.6 Symmetry	5	VII-4	
	10.7 Tessellations			
24	11.1 Parts of a Circle	5	VII-4	
	11.2 Arcs and Central Angles	5, 15	VII-4	
	11.3 Arcs and Chords	15	VII-4	
25	AHSGE Review			
26	11.4 Inscribed Polygons	15	VII-4	
	11.5 Circumference of a Circle	15	IV-1, VII-4	
	11.6 Area of a Circle	15	IV-1, VII-4	
27	12.1 Solid Figures	14, 16	VII-4	
	12.2 Surface Areas of Prisms and Cylinders	14, 16	VII-4	
	12.3 Volumes of Prisms and Cylinders	16	VII-4	
	END OF 3 rd NINE WEEKS			

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4th NINE WEEKS				
WEEK	SECTION/OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
28	12.4 Surface Areas of Pyramids and Cones	16	VII-4	
	12.5 Volumes of Pyramids and Cones	16	VII-4	
	12.6 Spheres	16	VII-4	
	12.7 Similarity of Solid Figures	16	VII-4	
29	13.1 Simplifying Square Roots	7		
	13.2 Special Right Triangles	7		
	13.3 Special Right Triangles	7		
30	13.4 Tangent Ratio	10		
	13.5 Sine and Cosine Ratios	10		
31	Geometric Mean	7, 8		
32	14.1 Inscribed Angles	2, 15	VII-4	
33	14.2 Tangents to a Circle	15	VII-4	
	14.3 Secant Angles	15	VII-4	
34	14.4 Secant-Tangent Angles	2, 15	VII-4	
35	14.5 Segment Measures	15	VII-4	
	14.6 Equations of Circles	5, 15	VII-4	
36	Testing			
	END OF 4th NINE WEEKS/SEMESTER EXAM			