

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

1st NINE WEEKS				
WEEK	SECTION/OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
1	1.1 Points, Lines, and Planes		VII-4	
	1.2 Linear Measure and Precision	12, 17	IV-2	
	1.3 Distance and Midpoints	12	IV-2	
2	1.4 Angle Measure	2	VII-1, 4	
	1.5 Angle Relationships	2, 4	VII-1, 4	
	1.6 Polygons	3, 5, 11, 12	IV-1, 2; VII-4	
3	2.1 Inductive Reasoning and Conjecture	9, 17	VII-4	
	2.2 Logic	9	VII-1, 4	
	2.3 Conditional Statements	9	VII-1, 4	
4	2.4 Deductive Reasoning	9, 17	VII-1, 4	
	2.5 Postulates and Paragraph Proofs	9	VII-1, 4	
	2.6 Algebraic Proof	9	VII-1, 4	
5	AHSGE Review			
6	2.7 Proving Segment Relationships	9	VII-1, 4	
	2.8 Proving Angle Relationships	2, 9	VII-1, 4	
7	3.1 Parallel Lines and Transversals	2, 4	VII-1, 4	
	3.2 Angles and Parallel Lines	2	VII-1, 4	
	3.3 Slopes of Lines	1, 2, 12	IV-2; V-2, 4; VII-4	
8	3.4 Equations of Lines	1, 2, 5, 12	VI-1, VII-8	
	3.5 Proving Lines Parallel	2, 9, 12	VII-1, 4	
	3.6 Perpendiculars and Distance	12	IV-2, VII-4	
9	4.1 Classifying Triangles	3, 5, 8, 12	IV-2, VII-4	
	4.2 Angles of Triangles	2, 4, 5, 8	II-1, VII-4	
	4.3 Congruent Triangles	5, 8, 13	VII-4	
	END OF 1st NINE WEEKS			

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2nd NINE WEEKS				
WEEK	SECTION/OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
10	4.4 SSS/SAS	3, 5, 8, 12	IV-2, VII-4	
	4.5 ASA/AAS	3, 5, 8	VII-4	
	4.6 Isosceles Triangles	3, 5, 12	II-1, IV-2	
	4.7 Triangles and Coordinate Proof	3, 5, 8, 12	II-1, IV-2	
11	5.1 Bisectors, Medians, Altitudes	1, 5, 12	VII-1, 4	
	5.2 Inequalities and Triangles	2, 5	VII-1	
	5.3 Indirect Proof	2, 5, 12	IV-2, VII-1, 4	
12	5.4 The Triangle Inequality	2, 5, 12	IV-2, VII-1, 4	
	5.5 Inequalities Involving Two Triangles	5, 8, 9	VII-1	
13	6.1 Proportions	5, 8	II-1, VII-8	
	6.2 Similar Polygons	3, 5, 8	VII-3, 8	
	6.3 Similar Triangles	2, 5, 8, 12	VII-3, 8	
14	6.4 Parallel Lines and Proportional Parts		II-1, VII-1	
	6.5 Parts of Similar Triangles	3, 5, 8, 11		
	6.6 Fractals and Self-Similarity	OPTIONAL	VII-3, 8	
15	7.1 Geometric Mean	5, 8	II-1	
	7.2 Pythagorean Theorem	5, 6	II-1, VII-2, 4	
	7.3 Special Right Triangles	5, 6, 7, 11	VII-8	
16	7.4 Trigonometry	4, 5, 6, 10	II-1, VII-2, 4, 8	
	7.5 Angles of Elevation/Depression	4, 5, 6, 10	II-1, VII-2, 4, 8	
17	7.6 Law of Sines	4, 5	II-1, IV-2, VII-1, 4	
	7.7 Law of Cosines	4, 5	II-1, IV-2, VII-1, 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 Angles of Polygons	4, 5, 17	VII-1, 4	
	8.2 Parallelograms	3, 5, 12	II-1, VII-1	
	8.3 Test for Parallelograms	2, 3, 5, 12	II-1, IV-2, VII-1	
20	8.4 Rectangles	2, 3, 5, 12	IV-2; V-1,2,4; VII-4,8	
	8.5 Rhombi and Squares	2, 3, 5, 12	IV-2; V-1,2,4; VII-4,8	
	8.6 Trapezoids	2, 3, 4, 5	IV-2; V-1,2,4; VII-4,8	
	8.7 Coordinate Proof and Quadrilaterals	3, 5, 9, 12	V-1,2,4; VII-4,8	
21	9.1 Reflections	5, 13	V-1, 4	
	9.2 Translations	5, 13	V-1, 4	
	9.3 Rotations	5, 13	V-1, 4	
22	9.4 Tessellations	3, 5	VII-4	
	9.5 Dilations	5, 13	V-1, VII-4	
	9.6 Vectors	5, 13	V-1, VII-4	
	9.7 Transformations with Matrices	5, 13	V-1, VII-4	
23	10.1 Circles	5, 12, 17	IV-2, VII-4,6,8	
	10.2 Angles and Arcs	5, 12, 15, 18	IV-2, VII-4,6,8	
	10.3 Arcs and Chords	5, 6, 12, 15	II-1, IV-2, VII-4, 8	
24	AHSGE Review			
25	10.4 Inscribed Angles	2, 5, 15	II-1, IV-2, VII-4, 8	
	10.5 Tangents	2, 5, 11	II-1, IV-2, VII-4, 8	
	10.6 Secants/Tangents/Angle Measures	2, 5, 6, 15	II-1, IV-2, VII-4, 8	
26	10.7 Special Segments in a Circle	2, 5, 6	II-1, IV-2, VII-4, 8	
	10.8 Equations of Circles (Construct a Circle Graph with Precision)	5, 12, 18	II-1, IV-2, VII-4, 8	
27	11.1 Areas of Parallelograms	5, 11, 12	IV-1, 2; VII-4	
	11.2 Triangles/Trapezoids/Rhombi	5, 11, 12	IV-1, 2; VII-4	
	11.3 Regular Polygons/Circles	5, 11, 12, 17	IV-1, 2	
END OF 3 rd NINE WEEKS				

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4th NINE WEEKS				
WEEK	SECTION/OBJECTIVE	ALCOS#	AHSGE	Date(s) Taught
28	11.4 Irregular Figures	5, 11	IV-1, 2	
	11.5 Geometric Probability	5, 11, 15, 17	IV-1, VII-4, 6	
29	12.1 Three-Dimensional Figures	14	II-1, VII-4	

	12.2 Nets and Surface Area	5, 16	II-1, VII-4	
	12.3 Surface Areas of Prisms	5, 16	II-1, VII-4	
30	12.4 Surface Areas of Cylinders	5, 16	II-1, VII-4	
	12.5 Surface Areas of Pyramids	5, 16	II-1, VII-4	
31	12.6 Surface Areas of Cones	5, 16	II-1, VII-4	
	12.7 Surface Areas of Spheres	5, 16	II-1, VII-4	
32	13.1 Volumes of Prisms/Cylinders	16, 17	IV-1, VII-4, 8	
	13.2 Volumes of Pyramids/Cones	16	IV-1, VII-4, 8	
33	13.3 Volumes of Spheres	16, 17	IV-1, VII-4, 8	
	13.4 Congruent and Similar Solids	16	VII-4	
	13.5 Coordinates in Space	12		
34	Optional Project – if time allows			
35	Review			
36	Testing			
	END OF 4th NINE WEEKS/SEMESTER EXAM			

