

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
1	<ul style="list-style-type: none"> <li>Classroom rules and regulations</li> <li>Curriculum Overview</li> </ul>			8/19
2	<b>Pre*Assessment</b>			8/20
3/4	Skills Readiness <i>pp AL60 - AL61</i> <b>CH. 1: ESSENTIALS OF GEOMETRY</b> 1.1 Identify Points, Lines and Planes <i>pp 1 - 8</i> 1.2 Use Segments and Congruence <i>pp 9 - 14</i>	<b>1</b> [G-C01]		8/21 - 8/22
5	1.3 Use Midpoint and Distance Formulas <i>pp 15 - 23</i>	<b>32</b> [G-GPE7]	<b>LTF - Activity</b> <b>KUTA:</b> <i>*Midpoint Formula</i> <i>*Distance Formula</i>	8/23
6	1.4 Measure and Classify Angles <i>pp 24 - 32</i> <ul style="list-style-type: none"> <li>Investigating Geometry Activity <i>pp 33-34</i></li> </ul>	<b>1</b> [G-C01]	<b>KUTA:</b> <i>*Classifying Angles</i> <i>*Naming Angles</i> <i>*Angles and Their Measures</i> <i>*The Angle Addition Postulate</i>	8/26
7	1.5 Describe Angle Pair Relationships <i>pp 35 - 41</i>	<b>1</b> [G-C01]		8/27
8/9	<b>ASSESSMENT</b> 1.6 Classify Polygons <i>pp 42 - 48</i>	<b>38, 39</b> [G-MD4], [G-MG1]		8/28 - 8/29
10	<i>Prerequisite Skills Check p 356</i> 6.1 Use Similar Polygons <i>pp 358 - 365</i>	<b>18</b> [G-SRT5]	<b>HRW - Animation</b>	8/30
<b>Labor Day (NO SCHOOL) – 9/2</b>				
11	6.1 Use Similar Polygons <i>pp 358 - 365 (cont.)</i>	<b>18</b> [G-SRT5]	<b>KUTA:</b> <i>*Similar Polygons</i>	9/3
12/13	6.2 Relate Transformations and Similarity <i>pp 367 - 373</i>	<b>14,15,25</b> [G-SRT1], [G-SRT2], [G-C1]	<b>KUTA:</b> <i>*Translations</i> <i>*Rotations</i> <i>*Reflections</i> <i>*All Transformations Combined</i>	9/4 - 9/5
14	4.3 Relate Transformations and Congruence <i>pp 225 - 230</i>	<b>2, 3, 6, 7</b> [G-CO2], [G-CO3] [G-CO6], [G-CO7]		9/6
15	4.9 Perform Congruence Transformation <i>pp 272 - 279</i> <b>Investigation Geometry Activities:</b> <i>pp 223, 271</i>	<b>5, 2</b> [G-CO5], [G-CO2]	<b>LTF Activity – A</b> <i>Graphical Transformation</i>	9/9

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
16	<b>CH. 2 – REASONING AND PROOF</b> 2.1 Use Inductive Reasoning pp 64 – 70	MPS #3		9/10
17/18	2.2 Analyze Conditional Statements pp 71 – 77	SMP #3		9/11 - 9/12
19	Sections 1.6, 6.1-6.2, 4.3, 4.9, 2.1 - <b>Assessment</b>			9/13
20	2.3 Apply Deductive Reasoning pp 79 -85 <b>AHSGE Testing – Seniors</b>	SMP #3		9/16
21	2.4 Use Postulates and Diagrams pp 86 - 96 <b>AHSGE Testing – Seniors</b>	9 [G-C09]		9/17
22/23	<b>MR – Problem Solving Activity</b> p 95 <b>Investigating Activity – Justify a Number Trick</b> p 96 2.5 Reasoning Using Properties from Algebra pp 97 - 103 <b>AHSGE Testing – Seniors</b>	<b>A1.15</b> [A-REI1]	Online Act. #1 <b>Project:</b> Properties of Algebra Booklet	9/18-9/19
24	2.6 Prove Statements about Segments and Angles pp 104 - 113 <b>AHSGE Testing – Seniors</b>	9 [G-C09]		9/20
25	2.6 Prove Statements about Segments and Angles pp 104– 113 (cont.)	9 [G-C09]		9/23
26	2.7 Prove Angle Pair Relationships pp 116– 123 <b>Chapter Assessment Review</b>	9 [G-C09]		9/24
27/28	<b>Chapter 2 Assessment</b>			9/25 - 9/26
29	<b>CH. 3 – PARALLEL AND PERPENDICULAR LINES</b> 3.1 Identify Pairs of Lines and Angles pp 137 – 144 <b>Graphing Calculator Investigation Activity: Parallel Lines and Angles</b> – p 145	1 [G-C01]	<b>KUTA: Parallel lines cut by a transversal</b> <b>Activity:</b> Countdown to Mastery Week 6 p AL 41	9/27
30	3.2 Use Parallel Lines and Transversals pp 146 – 152	9 [G-C09]	<b>Class Project:</b> Parallel Lines and Transversals	9/30

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
31	3.2 Use Parallel Lines and Transversals <i>(cont.) pp 146 – 152</i>	9 [G-C09]	*Discovery Education Probe *GIZMO *KUTA Software	10/1
32/33	3.3 Prove Lines are Parallel <i>pp 153 – 161</i>	9 [G-C09]		10/2 - 10/3
34	3.3 Prove Lines are Parallel <i>(cont.)</i> <i>pp 153 -161</i> 3.4 Find and Use Slopes of Lines <i>pp 163 – 170</i>	9, 31 [G-C09], [G-GPE5]	*Discovery Education Probe *GIZMO *KUTA Software *Sketch Pad *Countdown to Mastery Week 6 <i>p AL 42</i>	10/4
35	3.5 Write and Graph Equations of Lines <i>pp 172 – 179</i>	31 [G-GPE5]	*GIZMO *KUTA Software *SR11 - Slope & Intercepts of a Line	10/7
36	3.5 Write and Graph Equations of Lines <i>pp 172 – 179 (cont.)</i> <b>DISTRICT BENCHMARK TESTING SCHEDULED</b>			10/8
37/38	3.6 Prove Theorems About Perpendicular Lines <i>pp 182 - 189</i>	9 [G-C09]		10/9 - 10/10
39	*Geometry Investigation Activity: Construction <i>pp 190 – 191</i> *Problem Solving Activity <i>p 192</i>  <b>Chapter 3 - Assessment Review</b>	12 [G-C012]		10/11
40	<b>CHAPTER 3 ASSESSMENT</b>			10/14
41	<b>Ch. 4 – Congruent Triangles</b> 4.1 Apply Triangle Sum Properties <i>pp 207 – 214</i> 9 – Weeks Assessment Review	10 [G-C010]	*KUTA Software – Angles & Triangles	10/15

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
42/43	<b>1<sup>ST</sup> - 9 WEEKS ASSESSMENT SECTIONS</b> <b>1.1 – 4.1, 6.1 – 6.2, 4.3</b> <b>PLAN TESTING (TBD)</b>			10/16 -10/17
44	4.1 Apply Triangle Sum Properties <i>pp 207 – 214 (cont.)</i>  <b>End of 1<sup>st</sup> 9 Weeks***</b>	<b>10</b> [G-CO10]	<b>KUTA Software: Angles &amp; Triangles</b>	10/18
45	4.2 Apply Congruence and Triangles <i>pp 215 – 221 (cont.)</i> <b>PLAN TESTING (TBD)</b>	<b>7</b> [G-CO7]		10/21
46	4.4 Prove Triangles Congruent by SSS <i>pp 232 - 237</i>	<b>8, 10</b> [G-CO8] [G-CO10]	<b>KUTA Software: Proving Triangles Congruent</b>	10/22
47/48	4.5 Prove Triangles Congruent by SAS and HL <i>pp 238 – 244</i> <i>Investigation Activity using Technology</i> <i>pp 245 – 246</i>	<b>8, 10</b> [G-CO8] [G-CO10]	<b>KUTA Software: Proving Triangles Congruent</b>	10/23-10/24
<b>Teacher Work Day (NO STUDENTS) - 10/25</b>				
49	<b>ASSESSMENT: 4.1 – 4.4</b>			10/28
50	4.6 Proved Triangles Congruent by ASA and AAS <i>pp 247 - 253</i>  <b>Early Dismissal***</b>	<b>8, 10</b> [G-CO8] [G-CO10]	<b>KUTA Software: Proving Triangles Congruent LTF Activity</b>	10/29
51/52	4.7 Use Congruent Triangles <i>pp 256 - 263</i>  <b>Report Cards Go Home***</b>	<b>8, 10</b> [G-CO8] [G-CO10]		10/30-10/31
53	4.8 Use Isosceles and Equilateral Triangles <i>pp 264 – 269</i>	<b>10</b> [G-CO10]	<b>*Discovery Education Probe *GIZMO *KUTA Software</b>	10/30 -11/1
54	<b>ASSESSMENT: CH 4.5 – 4.8</b>			11/4
55	<b>Ch. 5 Relationships within Triangles</b> 5.1 Midsegment Theorem and Coordinate Proof <i>pp 297 - 303</i>	<b>30</b> [G-GPE4]	<b>*GIZMO *KUTA Software</b>	11/5
56/57	5.1 Midsegment Theorem and Coordinate <i>(cont.)</i> 5.2 Use Perpendicular Bisectors <i>pp 305 – 311</i>	<b>30, 9</b> [G-GPE4], [G-CO9]		11/6 – 11/7

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
58	5.2 Use Perpendicular Bisectors <i>pp 305 – 311 (cont.)</i>	9 [G-C09]		11/8
<b>Veteran's Day (NO SCHOOL) - 11/11</b>				
59	5.3 Use Angle Bisectors of Triangles <i>pp 312 – 317</i>	26 [G-C3]	<b>ML:</b> <i>Explorations and Projects Booklet pp 84 - 85</i>	11/12
60/61	5.3 Use Angle Bisectors of Triangles <i>(cont.)</i> 5.4 Use Medians and Altitudes <i>pp 321 - 327</i>	26, 10 [G-C3] [G-CO10]		11/13- 11/14
62	5.4 Use Medians and Altitudes <i>(cont.)</i> <i>Investigating Activity: Intersecting Medians p 320</i>	26, 10 [G-C3] [G-CO10]	<b>Sketchpad Activity</b>	11/15
63	<b>Investigating Activities:</b> <i>Intersecting Medians p 320</i> <i>Investigate Points of Concurrency</i>	26, 10 [G-C3] [G-CO10]	<b>Sketchpad Activity</b>	11/18
64	<b>ASSESSMENT: CH 5.1 – 5.4</b> <b>2<sup>nd</sup> 9-Weeks Midpoint***</b>			11/19
65/66	5.5 Use Inequality in a Triangle <i>pp 330 - 335</i>	10 [G-CO10]		11/20- 11/21
67	5.6 Inequalities in Two Triangles and Indirect Proof <i>pp 337 – 343</i>	10 [G-CO10]		11/22
68	5.6 Inequalities in Two Triangles and Indirect Proof <i>(cont.)</i>			11/25
69	<b>Ch. 6 Similarity</b> 6.2 Relate Transformations and Similarity – <i>Review</i> <b>Progress Reports Go Home***</b>	14, 15, 24 [G-SRT1], [G-SRT2] [G-C1]	<b>Activities:</b> *Transformations on a Graphing Calculator *Explore Properties of Dilations <i>p 366</i> *Dilations and AA Similarity Activity <i>p 374</i>	11/26
<b>Thanksgiving Holidays (NO SCHOOL) - 11/27 to 11/29</b>				
70	6.3 Prove Triangles Similar by AA <i>pp 375 – 381</i> <b>AHSGE Testing – Seniors</b>	16 [G-SRT3]	<b>HRW Online Exploration Activity</b>	12/2
71	<b>ASSESSMENT: CH 5.5 – 6.3</b> <b>AHSGE Testing – Seniors</b>			12/3

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
72/73	6.4 Prove Triangles Similar by SSS, and SAS pp 382 – 389 <b>AHSGE Testing – Seniors</b>	17 [G-SRT4]		12/4 - 12/5
74	6.4 Prove Triangles Similar by SSS, and SAS (cont.) <b>Mixed Review p 390</b> <b>AHSGE Testing – Seniors</b>			12/6
75	6.5 Use Proportionality Theorems pp 391 – 397	17, 18, 32, 41 [G-SRT4], [G-SRT5], [G-GPE6], [G-MG3]	<b>HRW Animated Geometry KUTA Software Activity</b>	12/9
76	6.5 Use Proportionality Theorems (cont.) <b>Problem Solving Plan and Strategies</b> pp SR26 - 27 <b>DISTRICT BENCHMARK TESTING</b>			12/10
77/78	<b>FIRST SEMESTER EXAM REVIEW</b>			12/11-12/12
79	<b>FIRST SEMESTER EXAM REVIEW</b>		<b>Assign Holiday Packet</b> Due: 01/07/2014	12/13
80	<b>First Semester Exams – 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup></b>			12/16
81	<b>First Semester Exams – 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup></b>			12/17
82/83	<b>12/18/13: Semester Exam – 7<sup>th</sup>, Make-up</b>			12/18-12/19
84	<b>Work On Holiday Packet</b>  <b>***End of 2<sup>nd</sup> 9 Weeks***</b>			12/20
<b>Christmas Holidays (NO SCHOOL) – 12/23/13 to 1/3/14</b>				
85	<b>Investigating Activity – Dilations</b> p 402 6.6 Perform Similarity Transformations pp 403 – 409	2, 14, 30 [G-C02], [G-SRT1], [G-GPE4]	<b>Graphing Calculator</b> – Transformation Program Activity	1/6
86	6.6 Perform Similarity Transformations (cont.) <b>Extension Activity – Partition Segments</b> pp 410		<b>Graphing Calculator</b> – Transformation Program Activity	1/7

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
87/88	<p style="text-align: center;"><b>ASSESSMENT: CH 6</b></p> <p><b>Investigating Activity – Pythagorean Theorem</b> p 426</p> <p><b>Ch. 7: Right Triangles and Trigonometry</b></p> <p>7.1 Apply the Pythagorean Theorem pp 427 - 433 <b>***Report Cards Go Home***</b></p>	17, 21, 33 [G-SRT4], [G-SRT8], [G-GPE7]	Online Act. #2 <i>with an</i> Assessment Activity @ MATHOPOLIS	1/8-1/9
89	<p><b>Investigating Geometry Graphing Calculator: Converse of the Pythagorean Theorem</b></p> <p>7.2 Use the Converse of the Pythagorean Theorem pp 435 - 441</p>	21 [G-SRT8]	*KUTA Software *Discovery Education *edHelper Geometry (High School)	1/10
90	7.3 Use Similar Right Triangles pp. 443 - 450	17, 18, 39 [G-SRT4], [G-SRT5], [G-MG1]	Differentiated Instruction Booklet	1/13
91	7.3 Use Similar Right Triangles (cont.)		edHelper Geometry (High School)	1/14
92/93	7.4 Special Right Triangles pp 451 - 458	19 [G-SRT6]	*KUTA Software	1/15-1/16
94	7.4 Special Right Triangles (cont.)			1/17
<b>Dr. Martin Luther King, Jr. Holiday (NO SCHOOL) - 1/20</b>				
95	<p style="text-align: center;"><b>ASSESSMENT: CH 7.1 – 7.4</b></p>			1/21
96/97	<p><b>Additional Lesson(s):</b> Trigonometric Ratios of Complementary Angles pp AL2 – AL3</p> <p>7.5 Apply the Tangent Ratio pp 460 - 466</p>	20, 19, 21 [G-SRT7], [G-SRT6], [G-SRT8]	edHelper Geometry (High School) KUTA Software	1/22-1/23
98	7.6 Apply the Sine and Cosine Ratios pp 467 – 474	19, 20, 21, 22 <sup>+</sup> [G-SRT6], [G-SRT7], [G-SRT8], [G-SRT10]	edHelper Geometry (High School) KUTA Software	1/24
99	7.6 Apply the Sine and Cosine Ratios (cont.)			1/27

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
100	7.7 Solve Right Triangles pp 477 – 483	21 [G-SRT8]	*edHelper Geometry *KUTA Software *HRW Animated Software	1/28
101/102	7.7 Solve Right Triangles (cont.) <b>Extension Lesson:</b> Law of Sines and Law of Cosines pp AL4 – AL9	21, 23+ [G-SRT8], [G-SRT11]	edHelper Geometry (High School) KUTA Software	1/29-1/30
103	<b>ASSESSMENT: CH 7.5 – 7.7</b>			1/31
104	<b>Additional Lesson(s):</b> • Apply the Law of Sines pp AL4 – AL9	22+ [G-SRT10]	edHelper Geometry (High School) KUTA Software	2/3
105	<b>Additional Lesson(s):</b> • Apply the Law of Cosines pp AL10-AL13 Chapter Review pp 490 – 491	23+ [G-SRT11]	edHelper Geometry (High School) KUTA Software	2/4
106/107	<b>CHAPTER 7 ASSESSMENT</b> <b>ALGEBRA REVIEW : GRAPH AND SOLVE QUADRATIC EQUATIONS P 493</b>			2/5-2/6
108	<b>Investigating Activity:</b> Investigate Angle Sums in Polygons  <b>Ch. 8: Quadrilaterals</b>  8.1 Find Angle Measures in Polygons pp 501 - 507	39 [G-MG1]	*edHelper Geometry *KUTA Software *Graphing Calculator Investigation	2/7
109	8.1 Find Angle Measures in Polygons (cont.) ***3 <sup>rd</sup> 9-Weeks Midpoint***			2/10
110	8.2 Use Properties of Parallelograms pp 509 - 515	11, 18 [G-CO11] [G-SRT5]	*KUTA Software *LTF Activity *Graphing Calculator Investigation	2/11
111/112	8.3 Show that a Quadrilateral is a Parallelogram pp 516 - 523	11, 18 [G-CO11] [G-SRT5]	*KUTA Software *LTF Activity *Graphing Calculator Investigation	2/12-2/13
<b>Day 113: District-Wide Professional Development / E-Day (NO STUDENTS) - 2/14</b> <b>President's Day (NO SCHOOL) - 2/17</b>				



# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
114	8.3 Show that a Quadrilateral is a Parallelogram (cont.) <b>Problem Solving Workshop 8.3</b> pp 524 - 526 <b>***Progress Reports Go Home***</b>		*HRW Animated Geometry	2/18
115/116	8.4 Properties of Rhombuses, Rectangles, and Squares pp 527 - 534	11, 18, 23 [G-CO11], [G-SRT5], [G-GPE7]		2/19-2/20
117	8.4 Properties of Rhombuses, Rectangles, And Squares (cont.)			2/21
118	<b>ASSESSMENT: CH 8.1 – 8.3</b>			2/24
119	8.5 Use Properties of Trapezoids and Kites pp 53 – 543	18, 30 [G-SRT5], [G-GPE4]	LTF Activity	2/25
120/121	8.5 Use Properties of Trapezoids and Kites (cont.) 8.6 Identify Special Quadrilaterals pp 544 - 549	18, 30, 11 [G-SRT5], [G-GPE4], [G-CO11]	*HRW Animated Geometry *LTF Activity	2/26-2/27
122	<b>ASSESSMENT: CH 8</b>			2/28
123	<b>Lesson Algebra Review: Graphing NonLinear Functions</b> <b>Ch. 9 Properties of Transformation</b> 9.1 Translate Figures and Use Vectors pp 564 - 571	4, 5 [G-CO4], [G-CO5]	*HRW Animated Geometry *Graphing Calculator *LTF Activity	3/3
124	9.1 Translate Figures and Use Vectors (cont.) <b>District Benchmark Testing</b>			3/4
128/126	9.3 Perform Reflections pp 581 – 588	2, 4, 5 [G-CO2], [G-CO4], [G-CO5]	*Graphing Calculator *LTF Activity *Sketch Pad	3/5-3/6
127	9.4 Perform Rotations pp 590 – 597	4, 5 [G-CO4], [G-CO5]	*Graphing Calculator *LTF Activity *Sketch Pad	3/7

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
128	<b>Problem Solving Workshop: Investigating Double Reflections</b> pp 598-599 9.5 Apply Compositions of Transformations pp 600 – 607 <b>AHSGE Testing – Seniors</b>	2, 5 [G-C02], [G-C05]	*LTF Activity *Sketch Pad ** <a href="http://www.brightstorm.com/math/geometry/transformations/compositions-of-transformations/">http://www.brightstorm.com/math/geometry/transformations/compositions-of-transformations/</a> (Video)	3/10
129	9.5 Apply Compositions of Transformations (cont.) <b>AHSGE Testing – Seniors</b>			3/11
130/131	<b>ASSESSMENT: CH 9.1, 9.3 – 9.5</b> Class Activity – Tessellations pp 608 - 610 <b>AHSGE Testing – Seniors</b>		* <a href="http://www.tessellations.org/">http://www.tessellations.org/</a> * <a href="http://www.coolmath.com/lesson-tessellations-1.htm">http://www.coolmath.com/lesson-tessellations-1.htm</a>	3/12-3/13
132	9.6 Identify Symmetry pp 611 - 616 ***End of 3 <sup>rd</sup> 9 Weeks*** <b>AHSGE Testing – Seniors</b>	3 [G-C03]	* <a href="http://www.mathsisfun.com/geometry/symmetry.html">http://www.mathsisfun.com/geometry/symmetry.html</a> *LTF Activity	3/14
133	9.7 Identify and Perform Dilations pp 618 – 624	2, 5, 14, 15 [G-C02], [G-C05], [G-SRT], [G-SRT2]	<a href="http://www.mathsisfun.com/links/curriculum-high-school-geometry.html">http://www.mathsisfun.com/links/curriculum-high-school-geometry.html</a> <a href="http://search.yahoo.com/search?ei=utf-8&amp;fr=slv8-hptb8&amp;p=identify%20and%20perform%20dilations&amp;type=">http://search.yahoo.com/search?ei=utf-8&amp;fr=slv8-hptb8&amp;p=identify%20and%20perform%20dilations&amp;type=</a>	3/17
134/135	<b>ASSESSMENT: CH 9</b> <b>INVESTIGATING GEOMETRY ACTIVITY: EXPLORE TANGENT SEGMENTS P 640</b>			3/18
136	<b>Ch. 10 Properties of Circles</b> 10.1 Use Properties of Tangents pp 641 – 648	11, 25, 27 <sup>+</sup> [G-C01], [G-C2], [G-C4]	<a href="http://www.ck12.com/info/8170166_properties-chords-tangents.html">http://www.ck12.com/info/8170166_properties-chords-tangents.html</a>	3/19-3/20
137	10.1 Use Properties of Tangents (cont.)			3/21
<b>Spring Break (NO SCHOOL) – 3/24 to 3/28</b>				
138	10.2 Find Arc Measures pp 649 - 653 ***Report Cards Go Home***	1 [G-C01]	<b>HRW Animated Geometry</b>	3/31

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
139	10.3 Apply Properties of Chords	1, 25, 26 [G-C012], [G-C2], [G-C3]		4/1
140/141	<b>Investigating Geometry Activity:</b> <i>Explore Inscribed Angles pp 661</i> 10.4 Use Inscribed Angles and Polygons <i>pp 662 – 669</i>	25, 26, 27 <sup>+</sup> , 28 [G-C2], [G-C4], [G-C5]	<a href="http://www.mathplanet.com/education/geometry/circles/inscribed-angles-and-polygons">http://www.mathplanet.com/education/geometry/circles/inscribed-angles-and-polygons</a>	4/2-4/3
142	<b>ASSESSMENT: CH 10.1 – 10.3</b> 10.5 Apply Other Angle Relationships in Circles <i>pp 672 – 678</i>	25 [G-C2]	<b>HRW Animated Geometry</b>	4/4
143	10.5 Apply Other Angle Relationships in Circles <i>(cont.)</i>			4/7
144	10.6 Find Segment Lengths in Circles <i>pp 681 – 687</i>	25 [G-C2]	<b>HRW Animated Geometry</b>	4/8
145/146	10.7 Write and Graph Equations of Circles <i>pp 689 – 695</i> <i>Chapter 10 Assessment Review</i>	29 [G-GPE1]	<b>HRW Animated Geometry</b>	4/9-4/10
147	<b>ASSESSMENT: CH 10</b>			4/11
148	<b>Ch. 11 Measurement of Figures and Solids</b> 11.1 Circumference and Arc Length <i>pp 710 – 716</i>	28, 35 [G-C5], [G-GMD1]	<b>HRW Geometry pp 717 – 718</b>	4/14
149	11.1 Circumference and Arc Length <i>(cont.)</i>			4/15
150/151	11.2 Areas of Circles and Sectors <i>pp 719 - 725</i> <b>Density Extension pp 760 - 761</b> <b>Annual High School Mathematics Tournament</b>	28 [G-C5]		4/16-4/17
152	11.3 Areas of Regular Polygons <i>pp 726 - 732</i> <b>***Early Dismissal Day***</b>	13, 21 [G-C013], [G-SRT8]	<a href="http://www.mathwords.com/a/area_regular_polygon.htm">http://www.mathwords.com/a/area_regular_polygon.htm</a>	4/18
153	11.4 Use Geometric Probability <i>pp 733 – 739</i>	A1.49, 43 [S-CP1], [S-MD7]		4/21
154	11.4 Use Geometric Probability <i>(cont.)</i>			4/22

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
155/156	<b>ASSESSMENT: CH 11.1 – 11.4</b> ***4 <sup>th</sup> 9-Weeks Midpoint***		HRW – Investigate Solids pp 740 - 741	4/23-4/24
157	11.5 Explore Solids pp 742 – 749	<b>38</b> [G-GMD4]		4/25
158	11.5 Explore Similar (cont.)			4/28
159	11. 9 Explore Similar Solids (cont.)	<b>36</b> [G-GMD3]		4/29
160/161	<b>Extension: Solids of Revolution</b> pp 772 – 773  <b>11.6 – 11.8 Use LTF Lessons:</b>  Connecting the AP Concepts of “Areas and Volumes” to PreAP Content ***Progress Reports Go Home***	<b>35, 36, 38, 41</b> [G-GMD1], [G-GMD3], [G-GMD4], [G-MG3]		4/30-5/1
162	<b>LTF Lesson: Volumes of Revolutions[1]</b>			5/2
163	<b>LTF Lesson: Volumes of Revolutions[1]</b> (cont.)			5/5
164	<b>ASSESSMENT LTF: GEOMETRY FREE RESPONSE QUESTION OR GEOMETRY MULTIPLE CHOICE QUIZ 1</b>			5/6
165/166	<b>Investigating Geometry: Find a Probability</b> p 810  <b>Ch. 12: Probability</b>  12.1 Find Probabilities and Odds pp 811 – 816  Probability p SR5	<b>A1.44, A1.49</b> [S-ID5], [S-CP1]		5/7-5/8
167	12.2 Find Probabilities Using Permutations pp 819 - 823	<b>A1.49, 42<sup>+</sup>, 43<sup>+</sup></b> [S-CP1], [S-CP9], [S-MD6], [S-MD7]		5/9
168	12.2 Find Probabilities Using Permutations (cont.)			5/12
169	12.3 Find Probabilities Using Combinations pp 824 – 827 Find Permutations and Combinations pp 824 – 827	<b>A1.49, 42<sup>+</sup>, 43<sup>+</sup></b> [S-CP1], [S-CP9], [S-MD6], [S-MD7]	Graphing Calculator Activity p 828 - 829	5/13

# Birmingham City Schools

## Geometry PACING GUIDE

DAY/ NUMBER	LESSON PLAN	Alabama Course Of Study Objectives / CCRS	Resources	Date
170/171	<b>ASSESSMENT 12.1 – 12.3</b> 12.4 Find Probabilities of Disjoint and Overlapping Events <i>pp</i> 831 - 837	A1.49, 42 <sup>+</sup> , 43 <sup>+</sup> [S-CP1], [S-CP4], [S-CP5], [S-CP7], [S-CP9], [S-MD6], [S-MD7]		5/14-5/15
172	12.5 Find Probabilities of Independent and Dependent Events <i>pp</i> 839 – 846	A1.50 [S-CP2], [S-CP3], [S-CP4], [S-CP5], [S-CP6], [S-CP8]		5/16
173	<b>SECOND SEMESTER EXAM REVIEW</b>			5/19
174	<b>SECOND SEMESTER EXAM REVIEW</b>			5/20
175/176	• <b>22<sup>nd</sup>: Semester Exams – 1<sup>st</sup>, 3<sup>rd</sup>, 5<sup>th</sup></b>			5/21-5/22
177	• <b>Semester Exams – 2<sup>nd</sup>, 4<sup>th</sup>, 6<sup>th</sup></b>			5/23
<b>MEMORIAL DAY (NO SCHOOL) – 5/26</b>				
178	• <b>12/18: Semester Exam – 7<sup>th</sup>, Make-up</b>			5/27
179/180	<b>***2<sup>nd</sup> Semester Ends*** Report Cards Go Home***</b>			5/28-5/29

### Legend:

LTF: Laying the Foundation

ML: McDougal Littell Activity Workbooks. *“Explorations and Projects”*

SMP #3: **Standard for Mathematical Practice 3** Construct viable arguments and critique the reasoning of others.

AL: Skills Readiness Textbook

SR: Textbook Student Resources Section

# Birmingham City Schools

## Geometry PACING GUIDE

### Online Resources:

- #1: [http://teachers.henrico.k12.va.us/math/igo/02PerpendicularParallel/2\\_1.html](http://teachers.henrico.k12.va.us/math/igo/02PerpendicularParallel/2_1.html)
- #2: <http://www.mathsisfun.com/pythagoras.html> *plus* an Assessment Activity @ <http://www.mathopolis.com/>
- #3: [http://www.edhelper.com/geometry\\_highschool.htm](http://www.edhelper.com/geometry_highschool.htm)
- #4: <http://www.brightstorm.com/math/geometry/transformations/compositions-of-transformations/> (Video)
- #5: Tessellation Do It Yourself - <http://www.tessellations.org/>
- #6: <http://www.coolmath.com/lesson-tessellations-1.htm>
- #7: Dilations YouTube Video:  
<http://search.yahoo.com/search?ei=utf-8&fr=slv8-hptb8&p=identify%20and%20perform%20dilations&type=>
- #8: Properties of Chords & Tangents How To:  
[http://www.ehow.com/info\\_8170166\\_properties-chords-tangents.html](http://www.ehow.com/info_8170166_properties-chords-tangents.html)
- #9: Area of Regular Polygons: [http://www.mathwords.com/a/area\\_regular\\_polygon.htm](http://www.mathwords.com/a/area_regular_polygon.htm)
- #10: Exploring Measurement, Sequences, and Curves with Stringed Instruments:  
<http://illuminations.nctm.org/LessonDetail.aspx?ID=L594>