

Course Outline

Geometry AB

2012-13, 2nd Semester

Textbook: McDougal Littell (2003), Geometry Concepts and Skills

Teacher: Mrs. Blaske

Date	Day	LESSON UNITS	ASSIGNMENT LIST	
			CW: Classwork	HW: Homework
January 14 – 31, 2012 CA Standards: 3, 5, 8, 11, 12,	1/14C	Introduction: Welcome, Attendance, Seating Chart, Review Syllabus, Materials Organization: Chapter Coverage; Test Answer Sheets; Cornell Notes and Packet; Activity: Questioning Strategies	Guided Practice: <i>even # problems</i> Independent Practice: <i>odd # problems</i>	Materials Binder; Print Answer Sheets
	1/15B-1/16A	CHAPTER 7: SIMILARITY 7.1 Ratio and Proportion 7.2 Similar Polygons 7.3 Showing Triangles are Similar: AA Quiz 1 7.4 Showing Triangles are Similar: SSS, SAS 7.5 Proportions and Similar Triangles Chapter Review Chapter 7 Test	7.1 pp.361-363, #17-37, 38-45, 47-67	Application Highlights: <i>Batting Average p.35; Map Scale p.360; Mural p.370; Aspect Ratio p.371; Hockey p. 374; A-Frame p.383; Fractals p.391; Flashlight Image p.397</i>
	1/17B-1/18A		7.2 pp.369-371, #8-16, 17-21, 24-27, 35-41	
	1/22B-1/23A		7.3 pp.375-378, #7-15, 16-26,	
	1/24B-1/25A		7.4 pp.383-385, #5-13, 14-26, 32-40	
	1/28B-1/29A		7.5 pp.390-392 #14-19, 20-29, 33-43	
	1/30B-1/31A		7.6 pp.396-398, #6-10, 11-14, 17-29 Chapter Summary/Review pp. 400-403	
February 1 – 22 CA Standards: 8, 10, 11, 12, 15	2/1B-2/4A (8.1-8.2)	CHAPTER 8: POLYGONS AND AREAS 8.1 Classifying Polygons 8.2 Angles in Polygons Quiz 1 8.3 Area of Squares and Rectangles 8.4 Area of Triangles Quiz 2 8.5 Area of Parallelograms 8.6 Area of Trapezoids 8.7 Circumference and Area of Circles Chapter Review Chapter 8 Test	8.1 pp.413-415, #10-27, 31-40, 41-51	Application Highlights: Web Site Icons p.414 Home Plate p.422 Outdoor Bench p.422 Judo p.428 Maize Maze p.429 Basaltic Columns 436 Covered Bridge p.449 Landscaping p.457 <i>Designing a Park 468</i> Project: Symmetry and Tessellations Chapter Resource Review Worksheets
	2/5B-2/6A		8.2 pp. 421-423, #8-20, 26-28, 39-51	
	2/7B-2/8A		8.3 pp. 427-429, #8-30, 34-46	
	2/11B-2/12A (8.5-8.6)		8.4 pp. 434-437, #5-19, 21-27, 32-35, 37-43	
	2/13B-2/14A		8.5 pp. 442-445, #8-22, 23-37, 40-56	
	2/19B-2/20A		8.6 pp.448-450, #8-25, 29-40	
	2/21B-2/22A		8.7 pp.456-459 #10-23, 24-29, 31-40, 47-55 Chapter Summary/Review pp.460-463	

Date	Day	LESSON UNITS	ASSIGNMENT LIST CW: Classwork HW: Homework	
February 25 - March 14 CA Standards: 8, 9, 11, 15	2/25B-2/26A	CHAPTER 9: SURFACE AREA & VOLUME 9.1 Solid Figures	9.1 pp.477-480, #20-32, 33-51, 52-58, 59-79	Application Highlights: <i>Rainforest Pyramid p.491; Veterinary Medicine p.497; Lampshades p.498; Swimming Pools 505 Pet Feeder p.515; Volcanoes p.516; Planetarium p.522</i> Project: www.google.com Google Earth; Google Sketchup Scale Factor Geometry Paper/Storybook
	2/27B-2/28A	9.2 Surface Area of Prisms and Cylinders	9.2 pp.487-490, #8-23, 24-32, 33-35, 49-52	
	3/1B-3/4A	9.3 Surface Areas of Pyramids and Cones Quiz 1	9.3 pp.495-499, #9-22, 23-31, 43,45,46, 48-60	
	3/5B-3/6A	9.4 Volume of Prisms and Cylinders	9.4 pp.503-507, #8-26, 44-46, 51-54	
	3/7B-3/8A	9.5 Volume of Pyramids and Cones	9.5 pp.513-516, #9-16, 17-19, 20-22, 30-38	
	3/11B-3/12A	9.6 Surface Area and Volume of Spheres <i>Chapter Review</i>	9.6 pp.520-523, #11-25, 33-41, 46, 47-61	
	3/13B-3/14A	Chapter 9 Test	Chapter Summary/Review pp.524-527	
March 15 - April 19 CA Standards: 10, 12, 15, 18, 19, 20	3/15B-3/18A	CHAPTER 10: RIGHT TRIANGLES AND TRIGONOMETRY	10.1 pp.539-541, #16-25, 26-51, 56-62	Application Highlights: <i>Jewelry p.546; Tipping Platform 553; Fitness p.553; Tree Height p.559; Water Slide p.561; Surveying p.562; Ramps p.573; Space Shuttle p.574; Indirect Measurement 584</i>
	3/19B-3/20A-	10.1 Simplifying Square Roots 10.2 45-45-90 Triangles	10.2 pp.pp.545-547, #6-18, 19-31, 34-37, 47-53	
	3/22B	**SPRING BREAK: 3/23- 4/7/12	10.3 pp.552-555, #11-22, 23-36, 37-39, 43-56	
	4/8B-4/9A	10.3 30-60-90 Triangles Quiz 1	10.4 pp.560-562, #10-23, 24-43, 44-49	
	4/10B-4/11A	10.4 Tangent Ratio	10.5 10.5 pp.566-568, #11-16,17-32, 33-51	
	4/12B-4/15A	10.5 Sine and Cosine Ratios	10.6 pp.573-575, #12-23, 24-29, 30-42	
	4/16B-4/17A	10.6 Solving Right Triangles Quiz 2; Chapter Review	Chapter Summary/Review pp.576-579	
		<u>TESTING DATES</u> ***CAHSEE: March 12-13, 2012 ***CST Test Window: <i>April 29 - May 15, 2012</i>		

Date	Day	LESSON UNITS	ASSIGNMENT LIST	
			CW: Classwork	HW: Homework
April 22 - May 15 CA Standards: 7, 21, 22	4/22B-4/23A	CHAPTER 11: CIRCLES 11.1 Parts of a Circle	11.1 pp.591-593, #14-34, 40-44, 48-53, 56-68	<i>Application Highlights:</i> GPS Device p.599; Fireworks p.600; Time Zones p.605; Archaeology p.609; Rescue Beacon p.612; Cell Phones p.631; Wheel Hubs p.636; Graphic Design p.638 Project: Technology-Geometer's Sketchpad www.classzone.com
	4/24B-4/25A	11.2 Properties of Tangents	11.2 pp.598-600, #7-27, 29, 30, 31-45	
	4/26B-4/29A	11.3 Arcs and Central Angles <i>Quiz 1</i>	11.3 pp.604-607, #14-38, 40-42, 44-52, 55-62	
	4/30B-5/1A	11.4 Arcs and Chords	11.4 pp.611-612, #6-8, 9-21, 23-32	
	5/2B-5/3A	11.5 Inscribed Angles and Polygons	11.5 pp.617-619, #12-26, 28-38, 40-49	
	5/6B-5/7A	11.6 Properties of Chords <i>Quiz 2</i>	11.6 pp.623-625, #8-17, 19-30, 31-38	
	5/8B-5/9A	11.7 Equations of Circles	11.7 pp.630-632, #9-35, 36-48	
	5/10B-5/13A	11.8 Rotations <i>Quiz 3; Chapter Review</i>	11.8 pp.636-639, #10-21, 22-30, 37-45	
	5/14B-5/15A	<i>Chapter 11 Test</i>	Chapter Summary/Review pp.641-645	
May 16 - 31, 2012 Project Based Learning	5/16B-5/17A	Chapter 7 project		Use Google Docs and Apps to create projects and portfolios
	5/20B-5/21A	Chapter 8 project		
	5/22B-5/23A	Chapter 9 project		
	5/24B-5/28A			
	5/29B-5/30A 5/31B			
June 3 - 11, 2012		FINAL EXAM WEEK:		
	6/3C	Final Review		
	6/4C	Final Review		
	6/5A-6/6B	Final Review/Pre-Test		
	6/7	FINAL EXAM Periods 1 and 3		
	6/10 6/11	FINAL EXAM Periods 2 and 4 FINAL EXAM Periods 6 and 7		

GBlaske/8-10-12

References:

Britton, J. (2000). *Investigating Patterns: Symmetry and Tessellations*. White Plains, NY: Dale Seymour Publications.

Eschbach, B. (2004). *Strengthening Your Geometry Program: Ideas, Strategies and Hands-On Activities (Grades 7-12)*. Bellevue, WA: Bureau of Education and Research.

Fulton, B. and Lombard, B. (2000). *Simply Great Explorations in Geometry*. Milville, CA: Teacher to Teacher Press.