

Geometry McGraw Hill - Pacing Guide

SEMESTER 1		
Dates		Number of Days
August 17 - 19	Beginning of the Year ALEKS Window	3 days
August 20 - September 11 16 days	Unit 1 – Tools of Geometry	
	Big Idea: Points and Shapes; Geospatial Data; Geometric Models	
	Essential Question: How are points, lines, line segments, and two-three dimensional figures used to model the real world?	
	1-1 Points, Lines, and Planes	2 days
	1-2 Lines Segments and Distance	3 days
	1-3 Locating Points	2 days
	1-4 Midpoints and Bisectors	3 days
	1-5 Angle Relationships	3 days
	Additional/Extra Instructional Days - Unit Review/Assessment	3 days
September 14- October 2 15 days	Unit 2 – Logical Arguments	
	Big Idea: Points and Shapes	
	Essential Question: What makes a logical argument, and how are logical arguments used to solve problems in the real world?	
	2-1 Conjectures and Counterexamples	1 day
	2-2 Statements, Conditionals, and Biconditionals	2 days
	2-3 Deductive Reasoning	2 days
	2-4 Writing Proofs	3 days
	2-5 Proving Segment Relationships	2 days
	2-6 Proving Angle Relationships	2 days
	Additional/Extra Instructional Days - Unit Review/Assessment	2 days
	Unit Assessment/Performance Task/IAB/fIAB	1 day
October 5 - October 7	Benchmark Assessment # 1: Unit 2 Assessment - Form A	October 5 - October 7
October 8 - October 23 11 days	Unit 3 – Parallel and Perpendicular Lines	
	Big Ideas: Points and Shapes; Geometric Models	
	Essential Question: How can real-world situations be modeled using parallel or perpendicular lines?	
	3-1 Parallel Lines and Transversals	2 days
	3-2 Slope and Equations of Lines	2 days
	3-3 Proving Lines Parallel	2 days
	3-4 Perpendiculars and Distance	2 days
	Additional/Extra Instructional Days - Unit Review/Assessment	2 days
	Unit Assessment/Performance Task/IAB/fIAB	1 day
	Unit 4 – Transformations and Symmetry	
	Big Ideas: Transformations	

October 26 - November 10 12 days	Essential Question: How are rigid motions used to investigate and prove geometric relationships?		
	4-1	Reflections	2 days
	4-2	Translations	2 days
	4-3	Rotations	2 days
	4-4	Compositions of Transformations	2 days
	4-5	Symmetry	1 day
	Additional/Extra Instructional Days - Unit Review/Assessment		3 days
November 12 - December 14 18 days	Unit 5 – Triangles and Congruence		
	Big Ideas: Triangle Congruence; Geospatial Data		
	Essential Question: How can proving triangle congruence help solve problems in the real world?		
	5-1	Angles of Triangles	2 days
	5-2	Congruent Triangles	2 days
	5-3	Proving Triangles Congruent: SSS, SAS	3 days
	5-4	Proving Triangles Congruent: ASA, AAS	3 days
	5-5	Proving Right Triangles Congruent	2 days
	5-6	Isosceles and Equilateral Triangles	2 days
	Additional/Extra Instructional Days - Unit Review/Assessment		4 days
December 15 - December 17	Benchmark Assessment # 2 (Final Exam): Unit 5 Assessment - Form A		December 15 - December 17

SEMESTER 2			
Dates			Number of Days
January 14 - January 15 2 days	Unit 6 - Relationships in Triangles		
	Big Ideas: Triangle Problems		
	Essential Question: How can relationships in triangles be used in real-world situations?		
	6-1	Perpendicular Bisectors of Segments	2 days
January 19 - January 22	Middle of the Year ALEKS Window		
January 25 - February 4 9 days	6-2	Angle Bisectors	2 days
	6-3	Medians and Altitudes of Triangles	2 days
	6-5	Inequalities in One Triangle	1 day
	6-6	The Triangle Inequality	1 day
	Additional/Extra Instructional Days - Unit Review/Assessment		3 days
February 5 - February 26 14 days	Unit 7 – Quadrilaterals		
	Big Idea: Geospatial Data; Points and Shapes		
	Essential Question: How can the characteristics of the different types of quadrilaterals be used to represent real-world objects and situations?		
	7-1	Angles of Polygons	2 days
	7-2	Parallelograms	1 day
	7-3	Tests for Parallelograms	2 days
	7-4	Rectangles	2 days
	7-5	Rhombi and Squares	2 days

	7-6	Trapezoids and Kites	2 days
	Additional/Extra Instructional Days - Unit Review/Assessment		2 days
	Unit Assessment/Performance Task/IAB/fIAB		1 day
March 1 - March 3	Benchmark Assessment # 3: Unit 7 Assessment - Form A		March 1 - March 3
March 4 - March 22 12 days	Unit 8 – Similarity		
	Big Idea: Points and Shapes; Triangle Problems		
	Essential Question: What does it mean for objects to be similar, and how is similarity useful for modeling in the real-world?		
	8-1	Dilations	2 days
	8-2	Similar Polygons	2 days
	8-3	Similar Triangles: AA Similarity	2 days
	8-4	Similar Triangles: SSS and SAS Similarity	2 days
	8-5	Triangle Proportionality	2 days
	Additional/Extra Instructional Days - Unit Review/Assessment		2 days
March 23 - April 15 11 days	Unit 9 – Right Triangles and Trigonometry		
	Big Idea: Triangle Problems; Trig Exploration		
	Essential Question: How are right triangle relationships useful in solving real-world problems?		
	9-2	Pythagorean Theorem and its Converse	2 days
	9-3	Special Right Triangles	2 days
	9-4	Trigonometry	2 days
	9-5	Applying Trigonometry	3 day
	Additional/Extra Instructional Days - Unit Review/Assessment		1 day
	Unit Assessment/Performance Task/IAB/fIAB		1 day
Spring Break March 24 - April 2			
April 16 - May 4 13 days	Unit 10 – Circles and Parabolas		
	Big Idea: Circle Relationships; Geospatial Data; Points and Shapes		
	Essential Question: How can circles and parts of circles be used to model situations in the real-world?		
	10-1	Circles and Circumference	2 days
	10-2	Measuring Angles and Arcs	2 days
	10-3	Arcs and Chords	2 days
	10-4	Inscribed Angles and Inscribed Polygons	2 days
	10-7	Equations of Circles	2 days
	Additional/Extra Instructional Days - Unit Review/Assessment		3 days
May 3 - May 21	CAASPP Testing		May 3 - May 21
May 5 - May 25 15 days	Unit 11 - Measurement & Unit 12 Probability		
	Big Idea: Geospatial Data; Geometric Models		
	Essential Question: How are measurements of two-and three-dimensional figures useful for modeling situations in the real-world?		
	11-1	Areas of Quadrilaterals	2 days
	11-2	Areas of Regular Polygons	1 day
	11-3	Areas of Circles and Sectors	2 days
	11-4	Surface Area	3 days
	11-5	Cross Sections and Solids of Revolution	1 day

	11-6	Volumes of Prisms and Pyramids	2 days
	11-7	Volumes of Cylinders, Cones, and Spheres	2 days
	Additional/Extra Instructional Days - Unit Review/Assessment		2 days
May 26 - May 28 3 days	Unit 12 - Probability		
	Big Idea: Probability Modeling; Fairness in Data		
	Essential Question: How can you use data and probability to make decisions?		
	12-1	Sample Spaces	1 day
	12-2	Probability and Counting	2 days
June 4 - June 8	Final Exam		June 4 - June 8

Extra Instructional Days

Closing the Unit	Unit Review, Math Modeling, Unit Assessment, Performance Task, FIABs
Intervention	Fluency Practice, Differentiation (small group lessons, ALEKS, personalized practice)