

Geometry

GREEN = must do

YELLOW = could do

RED = don't do

Chapter 1: Tools of Geometry

Total Time : 10 to 12 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.
	1	1-1 Nets and Drawings for Visualizing Geometry		
	1	1-2 Points, Lines, and Planes	P 16 1 to 7	
	1	1-3 Measuring Segments	P 23 9 11 13 14 15 17 19 21 25	
	1	1-4 Measuring Angles	P 31 7 9 10 11 19	
	1	1-5 Exploring Angle Pairs	P 38 7 9 13 15 19 25	
	1	1-6 Basic Construction	P 46 7 9 11 13 15 to 18	
	1	1-7 Midpoint and Distance in the Coordinate Plane	P 53 11 12 17 20 27 29	
	1	1-8 Perimeter, Circumference, and Area	P 64 9 12 13 15 16 23	

Chapter 2: Reasoning and Proof

Total Time : 7 to 11 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.
	1	2-1 Patterns and Inductive Reasoning		
	1	2-2 Conditional Statements	P 93 7 9 11 17 19 21 23	
	1	2-3 Biconditionals and Definitions	P 101 7 9 11 13 15 17	

	1	2-4 Deductive Reasoning		
	1	2-5 Reasoning in Algebra and Geometry		
	3	2-6 Proving Angles Congruent	P 124 6 7 12	

Chapter 3: Parallel and Perpendicular Lines

Total Time : 12 to 16 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.)
	1	3-1 Lines and Angles	P 144 11 13 15 17 18 19 20	
	2	3-2 Properties of Parallel Lines	P 153 7 9 10 13 14 15 16	
	1	3-3 Proving Lines Parallel	P 160 7 9 11 13 14 17 26 27 28	
	1	3-4 Parallel and Perpendicular Lines	P 167 6 7 8	
	1	3-5 Parallel Lines and Triangles	P 175 10 12 14 15 17 20 22	
	1	3-6 Constructing Parallel and Perpendicular Lines	P 186 7 9 11 12 13 15	
	1	3-7 Equations of Lines in the Coordinate Plane	P 194 9 12 15 20 21 25 27 29 31	
	2	3-8 Slopes of Parallel and Perpendicular Lines	P 201 9 13 14 16 17	

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Chapter 4: Congruent Triangles

Total Time : 9 to 13 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.)
	1	4-1 Congruent Figures	P 222 11 15 17 20 21 30 31 32	
	1	4-2 Triangle Congruence by SSS and SAS	P 230 1 2 3 4 8 9 10	
	1	4-3 Triangle Congruence by ASA and AAS	P 238 1 2 3 4 10 13	
	1	4-4 Using Corresponding Parts of Congruent Triangles	P 246 5 6 7 9 10 11	
	1	4-5 Isosceles and Equilateral Triangles	P 254 7 9 11 12 13 16 18	
	1	4-6 Congruence in Right Triangles	P 262 8 9 11 13 18	
	1	4-7 Congruence in Overlapping Triangles	P 268 8 9 10 11 13 14 15	

Chapter 5: Relationships Within Triangles

Total Time : 7 to 11 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.)
	1	5-1 Midsegments of Triangles	P 288 10 14 17 18 19 21 23 34	

	1	5-2 Perpendicular and Angle Bisectors	P 296 1 2 3 6 7 8	
	1	5-3 Bisectors in Triangles	P 304 1 2 17 18	
	1	5-4 Medians and Altitudes	P 312 1 2 3 4 8 9 10	
		5-5 Indirect Proof		
	1	5-6 Inequalities in One Triangle	P 328 1 2 3 9 13 19 21 22 27 28	
		5-7 Inequalities in Two Triangles		

Chapter 6: Polygons and Quadrilaterals

Total Time : 6 to 10 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.)
	1	6-1 The Polygon Angle Sum Theorem	P 356 9 10 15 12 19 20 23 24	
	1	6-2 Properties of Parallelograms	P 364 13 15 19 23 26 27	
		6-3 Proving That a Quadrilateral is a Parallelogram		
	1	6-4 Properties of Rhombuses, Rectangles, and Squares	P 379 9 13 17 17 19 23 24 26	
		6-5 Conditions for Rhombuses, Rectangles, and Squares		
	1	6-6 Trapezoids and Kites	P 394 9 12 14 15 18 21 24	

		6-7 Polygons in a Coordinate Plane		
		6-8 Applying Coordinate Geometry		
		6-9 Proofs using coordinate Geometry		

Chapter 7: Similarity

Total Time : 10 to 14 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.)
	1	7-1 Ratios and Proportions	P 436 9 11 14 15 19 20 24 25	
	2	7-2 Similar Polygons	P 444 9 12 14 15 17 18	
	2	7-3 Proving Triangles are Similar	P 455 7 9 10 11 14	
	2	7-4 Similarity in Right Triangles	P 465 9 10 13 15 19 20	
	1	7-5 Proportions in Triangles	P 475 10 11 15 18 21 22	

Chapter 8: Right Triangles and Trigonometry

Total Time : 10 to 14 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.)
	1	8-1 The Pythagorean Theorem and it's Converse	P 495 7 11 13 15 17 19 25	

	2	8-2 Special Right Triangles	P 502 9 11 13 14 15 19	
	4	8-3 Trigonometry	P 510 11 12 13 14 15 18 19 23 24	
	1	8-4 Angles of Elevations and Depression	P 519 17 18 19 20 21 22 23	
		8-5 Laws of Sines		
		8-6 Laws of Cosines		

Chapter 9: Transformations

Total Time : 8 to 13days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.
	1	9-1 Translations	P 550 7 9 13 16 17	
	1	9-2 Reflections	P 557 7 8 9 11	
	1	9-3 Rotations	P 564 10 11 12 13 17 18	
	1	9-4 Compositions of Isometries	P 574 6 7 8 12 13 13 17	
	1	9-5 Congruence Transformation	P 582 6 7 8 9 10 11 12	
	1	9-6 Dilations	P 590 7 8 10 12 13 16 17	
		9-7 Similarity Transformations		

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Chapter 10: Area

Total Time : 9 to 13 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.
	1	10-1 Areas of Parallelograms and Triangles	p 619 9 10 12 15 16	
	1	10-2 Areas of Trapezoids, Rhombuses, and Kites	P 626 11 16 17 21 22	
	1	10-3 Areas of Regular Polygons	P 632 8 9 10 15 17 23	
	1	10-4 Perimeters and Areas of Similar Figures	P 638 9 11 13 14 19	
	1	10-5 Trigonometry and Area	P 646 6 12 13 15 16 24	
	1	10-6 Circles and Arcs	P 654 12 15 18 21 26 27 33 34	
	1	10-7 Areas of Circles and Sectors	P 663 7 8 9 13 14 21 23	
		10-8 Geometric Probability		

Chapter 11: Surface Area and Volume

Total Time : 9 to 13 days

Math Standard	# of days	Topic	Assignment		Notes (resources, suggestions, etc.
	1	11-1 Space Figures and Cross Sections	P 692 9 10 11 13 14 35		
	1	11-2 Surface Areas of Prisms and Cylinders	P 704 7 8 9 10 11 12 13 15 17		

	1	11-3 Surface Areas of Pyramids and Cones	P 712 1 2 3 4 9 10 11 13 20		
	1	11-4 Volumes of Prisms and Cylinders	P 721 7 8 10 11 14 16		
	1	11-5 Volumes of Pyramids and Cones	P 729 7 8 10 12 14 18		
	1	11-6 Surface Areas and Volumes of Spheres	P 737 7 11 13 14 18 21 23 24		
	1	11-7 Areas and Volumes of Similar Solids	P 746 7 8 9 12 14 15		

Chapter 12: Circles

Total Time : 7 to 11 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.)
	1	12-1 Tangent Lines	P 767 6 7 8 13 16 18 19	
	1	12-2 Chords and Arcs	P 776 6 7 8 9 13 14 21	
	1	12-3 Inscribed Angles	P 784 6 7 9 11 12 16 17 21 23	
	1	12-4 Angle Measures and Segment Lengths	P 794 8 9 10 11 12 15 16 17 18	
	1	12-5 Circles in a Coordinate Plane	P 801 9 12 15 17 19 21 25 33	
		12-6 Locus: A set of points		

Chapter 13: Probability

Total Time : 4 days

Math Standard	# of days	Topic	Assignment	Notes (resources, suggestions, etc.)
		13-1 Experimental and Theoretical Probability		
		13-2 Probability Distributions and Frequency Tables		
		13-3 Permutations and Combinations		
		13-4 Compound Probability		
		13-5 Probability Models		
	1	13-6 Conditional Probability Models	P 859 1 2 3 6 7	
		13-7 Modeling Randomness		