Eighth Grade Pacing Guide

Estimated Days	Major or Supporting	Standard	Topic		Glencoe Textbook	Reflection
1st 9 Weeks - Aug. 5th - Oct. 7th						
5	Supporting	Review	**Integers:** Review of Integer Operations	None	Previous book pp. 7-13	
Real Numbers					Pages 28 - 32, 64-84, 135 - 139, 154 - 176	
3	Major	8.NS.1	Rational and Irrational Numbers	p.7		
2	Major	8.NS.1	Sets of Real Numbers	p. 15		
2	Major	8.NS.2	Ordering Real Numbers	p. 21		
5	Supporting	Review	**Equations:** Review of One and Two Step Equations	None		
3	Supporting	Review	**Properties:** Review of Commutative, Associative, and Distributive Properties	None	Pages 220-230	
Solve Linear Equations						
2	Major	8.EE.7	Equations with the Variable on Both Sides	p. 197	pages 239 - 255	
2	Major	8.EE.7b	Equations with Rational Numbers	p. 203		
2	Major	8.EE.7b	Equations with the Distributive Property	p. 209		
2	Major	8.EE.7a	Equations with Many Solutions or No Solution	p. 215		
Module 2: Exponents and Scientific Notation						
3	Major	8.EE.1	Integer Exponents	p. 33	pages 91 - 122	
2	Major	8.EE.3	Scientific Notation with Positive Powers of 10	p. 39		
2	Major	8.EE.3	Scientific Notation with Negative Powers of 10	p. 45		
2	Major	8.EE.4	Operations with Scientific Notation	p. 51		

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Mathematics

2015-2016

1st Nine Weeks Benchmark						
Estimated Days	Major or Supporting	Standard	Topic		Glencoe Textbook	Reflection
		2nd 9- Weeks: Oct. 8th - Dec. 16				
			Module 3: The Pythagorean Theorem			
2	Major	8.G.7	3.1 The Pythagorean Theorem	p. 375	pages 482 - 493	
2	Major	8.G.6	3.2 Converse of the Pythagorean Theorem	p. 381		
2	Major	8.G.8	3.3 Distance Between Two Points	p. 387		
			Module 4: Angle Relationships in Parallel Lines and Triangles			
3	Major	8.G.5	4.1 Parallel Lines Cut by a Transversal	p. 347	pages 470 - 479	
3	Major	8.G.5	4.2 Angle Theorems for Triangles	p. 353		
3	Major	8.G.5	4.3 Angle-Angle Similarity	p. 361		
			Module 5: Transformations and Similarity			
3	Major	8.G.1	5.1 Properties of Translations	p. 279	pages 508 - 528	
3	Major	8.G.1	5.2 Properties of Reflections	p. 285		
3	Major	8.G.1	5.3 Properties of Rotations	p. 291		
3	Major	8.G.3	5.4 Algebraic Representations of Transformations	p. 297		
3	Major	8.G.2	5.5 Congruent Figures	p. 303		
			Module 6 Transformations and Similarity			
3	Major	8.G.4	6.1 Properties of Dilations	p. 315	pages 523 - 526 and 464 - 469	
3	Major	8.G.3	6.2 Algebraic Representations of Dilations	p. 321		
3	Major	8.G.4	6.3 Similar Figures	p. 327		
2nd Nine Weeks Benchmark						
Estimated Days	Major or Supporting	Standard	Topic		Glencoe Textbook	Reflection
3rd 9 - Weeks (Jan 5 - March 15)						

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Module 7: Proportional Relationships						
2	Major	8.EE.6	Representing Proportional Relationships	p. 71	pages 337 - 368	
2	Major	8.F.4	Rate of Change and Slope	p. 77		
2	Major	8.EE.5	Interpreting the Unit Rate as Slope	p. 83		
Module 8: Nonproportional Relationships						
2	Major	8.F.3	Representing Linear Nonproportional Relationships	p. 95		
3	Major	8.EE.6	Determining Slope and y-intercept	p. 101		
2	Major	8.F.4	Graphing Linear Nonproportional Relationships using Slope and y-intercept	p. 107		
3	Major	8.F.2	Proportional and Nonproportional Situations	p. 113		
Module 9: Writing Linear Equations						
2	Major	8.F.4	Writing Linear Equations from Situations and Graphs	p. 127	pages 363 - 367 and Additional Resources	
2	Major	8.F.4	Writing Linear Equations form a Table	p. 133		
3	Major	8.SP.1	Linear Equations and Bivariate Data	p. 139		
Module 10: Functions						
3	Major	8.F.1	Identifying and Representing Functions	p. 153		
3	Major	8.F.1	Identifying and Representing Functions	p. 153		
3	Major	8.F.2	Comparing Functions	p. 167		
3	Major	8.F.5	Analyzing Graphs	p. 173		
Module 11: Solving Systems of Linear Equations						
3	Major	8.EE.8a	Solving Systems of Linear Equations by Graphing	p. 227	pages 370 - 381 and additional resources	
3	Major	8.EE.8b	Solving Systems by Substitution	p. 235		
3	Major	8.EE.8b	Solving Systems by Elimination	p. 243		
3	Major	8.EE.8b	Solving Systems by Elimination with Multiplication	p. 251		
2	Major	8.EE.8b	Solving Special Systems	p. 259		
3rd Nine Weeks Benchmark						
4th 9 - Weeks (March 16 - May 25)						

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Estimated Days	Major or Supporting	Standard	Topic		Glencoe Textbook	Reflection
Module 12: Scatter Plots						
3	Supporting	8.SP.1	14.1 Scatter Plots and Association	p. 433	pages 610 - 630 and additional resources	
3	Supporting	8.SP.3	14.2 Trend Lines and Prediction	p. 439		
Module 13: Two-Way Tables						
2	Supporting	8.SP.4	15.1 Two-Way Frequency Tables	p. 451		
3	Supporting	8.SP.4	15.2 Two-Way Relative Frequency Tables	p. 457		
15 to 20	Major	All	**Review All Skills**			
4th Nine Weeks Benchmark						
Algebra 1 Skills						