Please Note:

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Publisher Resource:

Go Math - My.hrw.com
	Username: 55S(student ID)
	Password: FL + mmddyyyy of birth

Other Course Supplemental Resources – by standard and Topic:

IXL Math – Grade 8 Standards

Study Island
	Login: 55s(student #)
	Password: first initial first name + first initial last name + mmddyyyy of birth

FSA Practice: (Please Note: these links work best in Firefox or Chrome)

FSA Portal

PARCC

Smarter Balanced Portal

Grade 8 Pre-Algebra   2015 – 2016

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 16	1	**Unit 0** ● Prerequisite Skills -May include long division, operations with integers, solving linear equations. **Unit 1 - Real Numbers, Exponents, and Scientific Notation** ● Module 1 - Real Numbers - Lesson 1.1 Rational and Irrational Numbers	Module 0 - Khan Academy Lesson 1.1 - Khan Academy
	2	**Unit 1 - Real Numbers, Exponents, and Scientific Notation** ● Module 1 - Lesson 1.2 Sets of Real Numbers ● Lesson 1.3 - Ordering Real Numbers	Lesson 1.2 - Khan Academy Lesson 1.3 - Khan Academy
	3	**Unit 1 - Real Numbers, Exponents, and Scientific Notation** ● Module 1 -Lesson 1.3 - Ordering Real Numbers ● Assessment ● Module 2 - Exponents and Scientific Notation - Lesson 2.1 Integer Exponents	Lesson 2.1 - Khan Academy
	4	**Unit 1 - Real Numbers, Exponents, and Scientific Notation** ● Module 2 - Lesson 2.1 - Integer Exponents ● Lesson 2.2 Scientific Notation with Positive Powers of 10	Lesson 2.2 - Khan Academy
	5	**Unit 1 - Real Numbers, Exponents, and Scientific Notation** ● Module 2 - Lesson 2.3 - Scientific Notation with Negative Powers of 10 ● Lesson 2.4 - Operations with Scientific Notation	Lesson 2.3 - Khan Academy Lesson 2.4 - Khan Academy
	6	**Unit 1 - Real Numbers, Exponents, and Scientific Notation** ● Module 2 - Lesson 2.4 - Operations with Scientific Notation ● Assessment	
	7	**Unit 2 - Proportional and Nonproportional Relationships and Functions** ● Module 3 - Proportional Relationships - Lesson 3.1 - Representing Proportional Relationships ● Lesson 3.3 - Interpreting the Unit Rate as Slope	Lesson 3.1 - Khan Academy Lesson 3.3 - Khan Academy
	8	**Unit 2 - Proportional and Nonproportional Relationships and Functions** ● Module 3 - Lesson 3.2 - Rate of Change as Slope ● Assessment	Lesson 3.2 - Khan Academy
	9	**Unit 2 - Proportional and Nonproportional Relationships and Functions** ● Module 4 - Non-proportional Relationships - Lesson 4.1 - Representing Linear Non-Proportional Relationships ● Lesson 4.2 - Determining Slope and Y-Intercept	Lesson 4.1 - Khan Academy Lesson 4.2 - Khan Academy

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| | 10 | **Unit 2 - Proportional and Nonproportional Relationships and Functions**
● Module 4 – Lesson 4.3 - Graphing Linear Non-Proportional Relationships Using Slope and Y-Intercept
● Quarter Assessment | Lesson 4.3 - [Khan Academy](#) |

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Grade 8 Pre-Algebra   2015 – 2016

	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 19 – Dec 18	1	**Unit 2 - Proportional and Nonproportional Relationships and Functions** ● Module 4 - Non-Proportional Relationships - Lesson 4.4 - Proportional and Nonproportional Situations ● Assessment	Lesson 4.4 - Khan Academy
	2	**Unit 2 - Proportional and Nonproportional Relationships and Functions** ● Module 5 - Writing Linear Equations - Lesson 5.1 Writing Linear Equations from Situations and Graphs ● Lesson 5.2- Writing Linear Equations from a Table	Lesson 5.1 - Khan Academy Lesson 5.2 - Khan Academy
	3	**Unit 2 - Proportional and Nonproportional Relationships and Functions** ● Module 6 - Functions - Lesson 6.1 - Identifying and Representing Functions ● Lesson 6.2 - Describing Functions	Lesson 6.1 - Khan Academy Lesson 6.2 - Khan Academy
	4	**Unit 2 - Proportional and Nonproportional Relationships and Functions** ● Module 6 - Lesson 6.3 - Comparing Functions ● Lesson 6.4 - Analyzing Graphs	Lesson 6.3 - Khan Academy Lesson 6.4 - Khan Academy
	5	**Unit 2 - Proportional and Nonproportional Relationships and Functions** ● Assessment **Unit 3 - Solving Equations and Systems of Equations** ● Module 7 - Solving Linear Equations - Lesson 7.1 - Equations with the Variable on Both Sides	Lesson 7.1 - Khan Academy
	6	**Unit 3 - Solving Equations and Systems of Equations** ● Module 7 - Lesson 7.1 - Equations with the Variable on Both Sides ● Module 7 - Lesson 7.2 - Equations with Rational Numbers	Lesson 7.2 - Khan Academy
	7	**Unit 3 - Solving Equations and Systems of Equations** ● Module 7 - Lesson 7.3 - Equations with Distributive Property	Lesson 7.3 - Khan Academy
	8	**Unit 3 - Solving Equations and Systems of Equations** ● Module 7 - Lesson 7.4 - Equations with Many Solutions or No Solution	Lesson 7.4 - Khan Academy
	9	**Unit 3 - Solving Equations and Systems of Equations** ● Module 8 - Solving Systems of Linear Equations - Lesson 8.1 - Solving Systems of Linear Equations by Graphing ● Semester Assessment	Lesson 8.1 - Khan Academy

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Grade 8 Pre-Algebra   2015 – 2016

	Week	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 5 – Mar 18	1	**Unit 4 - Transformational Geometry** ● Module 9 - Transformations and Congruence - Lesson 9.1 - Properties of Translations ● Lesson 9.2 - Properties of Reflections	Lesson 9.1 - Khan Academy Lesson 9.2 - Khan Academy
	2	**Unit 4 - Transformational Geometry** ● Module 9 - Lesson 9.3 - Properties of Rotations ● Lesson 9.4 - Algebraic Representations of Transformations ● Lesson 9.5 - congruent figures ● Assessment	Lesson 9.3 - Khan Academy Lesson 9.4 - Khan Academy Lesson 9.5 - Khan Academy
	3	**Unit 4 - Transformational Geometry** ● Module 10 - Transformations and Similarity - Lesson 10.1 - Properties of Dilations ● Lesson 10.2 - Algebraic Representations of Dilations	Lesson 10.1 - Khan Academy Lesson 10.2 - Khan Academy
	4	**Unit 4 - Transformational Geometry** ● Module 10 - Lesson 10.3 - Similar Figures ● Module 11 - Lesson 11.3 - Angle Angle Similarity ● Assessment	Lesson 10.3 - Khan Academy Lesson 11.3 - Khan Academy
	5	**Unit 5 - Measurement Geometry** ● Module 11 - Angle Relationships in Parallel Lines and Triangles - Lesson 11.1 - Parallel Lines Cut by a Transversal	Lesson 11.1 - Khan Academy
	6	**Unit 5 - Measurement Geometry** ● Module 11 - Lesson 11.2 - Angle Theorems for Triangles ● Assessment	Lesson 11.2 - Khan Academy
	7	**Unit 5 - Measurement Geometry** ● Module 12 - The Pythagorean Theorem - Lesson 12.1 - The Pythagorean Theorem	Lesson 12.1 - Khan Academy
	8	**Unit 5 - Measurement Geometry** ● Module 12 - Lesson 12.2 - The converse of the Pythagorean Theorem ● Module 12 - Lesson 12.3 - Distance Between Two Points	Lesson 12.2 - Khan Academy Lesson 12.3 - Khan Academy
	9	**Unit 5 - Measurement Geometry** ● Assessment ● Module 13 - Volume - Lesson 13.1 - Volume of Cylinders	Lesson 13.1 - Khan Academy

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	10	**Unit 5 - Measurement Geometry** ● Module 13 - Lesson 13.2 - Volume of Cones ● Lesson 13.3 - Volume of Spheres	Lesson 13.2 - Khan Academy Lesson 13.3 - Khan Academy
	11	Quarter Assessment	

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	Week	Major Concepts / Topics	Possible Resources
Quarter 4 Mar 29 – May 26	1	**Unit 6 - Statistics** ● Module 14 - Scatter Plots - Lesson 14.1 - Scatter Plots and Association ● Lesson 14.2 - Trend Lines and Predictions ● Assessment	Lesson 14-1 - Khan Academy Lesson 14-2 - Khan Academy
	2	**Unit 6 - Statistics** ● Module 15 - Two-Way Tables - Lesson 15.1 - Two-Way Frequency Tables ● Lesson 15.2 - Two-Way Relative Frequency Tables ● Assessment	Lesson 15-1 - Khan Academy Lesson 15-2 - Khan Academy
	3	**Unit 3 - Solving Equations and Systems of Equations** ● Module 8 - Solving Systems of Linear Equations - Lesson 8.2 - Solving Systems by Substitution	Lesson 8-2 - Khan Academy
	4	**Unit 3 - Solving Equations and Systems of Equations** ● Module 8 - Lesson 8.3 - Solving Systems by Eliminations ● Lesson 8.4 - Solving Systems by Elimination with Multiplication	Lesson 8-3 - Khan Academy Lesson 8-4 - Khan Academy
	5	**Unit 3 - Solving Equations and Systems of Equations** ● Module 8 - Lesson 8.5 - Solving Special Systems	Lesson 8-5 - Khan Academy
	6	● Performance Tasks	
	7	● Algebra 1 Prerequisites - Rate of Change and Graphing a Line	Intro to Algebra - Khan Academy
	8	● Algebra 1 Prerequisites - Solving a Systems by Graphing and distinguishing between graphs with one, zero, or infinite solutions.	
	9	● Algebra 1 Prerequisites - Exponents and Laws of Exponents ● Semester Assessment	

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