

Please Note:

All standards are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course are best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

Publisher Resource:

HMH (Holt McDougal) - My.hrw.com

Username: SJCSD55FLs#####

Password: First initial + last initial + the student birthday in MMDDYYYY format (initials must be in CAPS)

Other Course Supplemental Resources – by standard and Topic:

[IXL Math – Grade 8 Standards](#)

[Study Island](#) (use student Active Directory)

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

[FSA Portal](#)

[FSA Scientific Calculator](#)

[Equation Editor Item Tutorial](#)

[PARCC](#)

[Smarter Balanced Portal](#)

All standards are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 14	1 8/10 - 8/12	Unit 0 <ul style="list-style-type: none"> Prerequisite Skills -May include long division, operations with integers, solving linear equations. 	Module 0 - Khan Academy
	2 8/15 – 8/19	Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> Module 1 - Real Numbers - Lesson 1.1 Rational and Irrational Numbers Module 1 - Lesson 1.2 Sets of Real Numbers Lesson 1.3 - Ordering Real Numbers 	Lesson 1.1 - Khan Academy Lesson 1.2 - Khan Academy Lesson 1.3 - Khan Academy
	3 8/22 – 8/26	Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> 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 8/29 – 9/2	Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> Module 2 - Lesson 2.1 - Integer Exponents Lesson 2.2 Scientific Notation with Positive Powers of 10 	Lesson 2.2 - Khan Academy
	5 9/6 – 9/9	Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> 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 9/12 – 9/16	Unit 1 - Real Numbers, Exponents, and Scientific Notation <ul style="list-style-type: none"> Module 2 - Lesson 2.4 - Operations with Scientific Notation Assessment 	Lesson 2.4 - Khan Academy
	7 9/19 – 9/23	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> 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 9/26 – 9/30	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> Module 3 - Lesson 3.2 - Rate of Change as Slope Assessment 	Lesson 3.2 - Khan Academy
	9 10/3 – 10/7	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> 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
	10 10/10 – 10/14	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> Module 4 – Lesson 4.3 - Graphing Linear Non-Proportional Relationships Using Slope and Y-Intercept Quarter Assessment 	Lesson 4.3 - Khan Academy

All standards are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

All standards are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

Pre-Algebra

2016 – 2017

	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/21	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> Module 4 - Non-Proportional Relationships - Lesson 4.4 - Proportional and Nonproportional Situations Assessment 	Lesson 4.4 - Khan Academy
	2 10/24 – 10/28	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> 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 10/31 – 11/4	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> Module 6 - Functions - Lesson 6.1 - Identifying and Representing Functions Lesson 6.2 - Describing Functions Module 6 - Lesson 6.3 - Comparing Functions 	Lesson 6.1 - Khan Academy Lesson 6.2 - Khan Academy Lesson 6.3 - Khan Academy
	4 11/7 – 11/10	Unit 2 - Proportional and Nonproportional Relationships and Functions <ul style="list-style-type: none"> Lesson 6.4 - Analyzing Graphs Assessment 	Lesson 6.4 - Khan Academy
	5 11/14 – 11/18	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> Module 7 - Solving Linear Equations - Lesson 7.1 - Equations with the variable on Both Sides 	Lesson 7.1 - Khan Academy
	6 11/21 – 11/22	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> Module 7 - Lesson 7.1 - Equations with the Variable on Both Sides 	Lesson 7.1 - Khan Academy
	7 11/28 – 12/2	<ul style="list-style-type: none"> Unit 3 - Solving Equations and Systems of Equations Module 7 - Lesson 7.2 - Equations with Rational Numbers Module 7 - Lesson 7.3 - Equations with Distributive Property 	Lesson 7.2 - Khan Academy Lesson 7.3 - Khan Academy
	8 12/5 – 12/9	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> Module 7 - Lesson 7.4 - Equations with Many Solutions or No Solution 	Lesson 7.4 - Khan Academy
	9 12/12 – 12/16	<ul style="list-style-type: none"> Semester Assessment 	
	10 12/19 – 12/21	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> Module 8 - Solving Systems of Linear Equations - Lesson 8.1 - Solving Systems of Linear Equations by Graphing 	Lesson 8.1 - Khan Academy

All standards are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

	Week	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 5 – Mar 10	1 1/5 – 1/6	Unit 4 - Transformational Geometry <ul style="list-style-type: none"> Module 9 - Transformations and Congruence - Lesson 9.1 - Properties of Translations 	Lesson 9.1 - Khan Academy
	2 1/9 – 1/13	Unit 4 - Transformational Geometry <ul style="list-style-type: none"> Module 9 - Lesson 9.2 - Properties of Reflections Lesson 9.3 - Properties of Rotations Lesson 9.4 - Algebraic Representations of Transformations 	Lesson 9.2 - Khan Academy Lesson 9.3 - Khan Academy Lesson 9.4 - Khan Academy
	3 1/17 – 1/20	Unit 4 - Transformational Geometry <ul style="list-style-type: none"> Lesson 9.5 - Congruent Figures Assessment 	Lesson 9.5 - Khan Academy
	4 1/23 – 1/27	Unit 4 - Transformational Geometry <ul style="list-style-type: none"> Module 10 - Transformations and Similarity - Lesson 10.1 - Properties of Dilations Lesson 10.2 - Algebraic Representations of Dilations Module 10 - Lesson 10.3 - Similar Figures 	Lesson 10.1 - Khan Academy Lesson 10.2 - Khan Academy Lesson 10.3 - Khan Academy
	5 1/30 – 2/3	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> Module 11 - Lesson 11.3 – Angle-Angle Similarity Assessment Module 11 - Angle Relationships in Parallel Lines and Triangles - Lesson 11.1 - Parallel Lines Cut by a Transversal 	Lesson 11.3 - Khan Academy Lesson 11.1 - Khan Academy
	6 2/6 – 2/10	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> Module 11 - Lesson 11.2 - Angle Theorems for Triangles Assessment 	Lesson 11.2 - Khan Academy
	7 2/13 – 2/16	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> Module 12 - The Pythagorean Theorem - Lesson 12.1 - The Pythagorean Theorem 	Lesson 12.1 - Khan Academy
	8 2/21 – 2/24	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> 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 2/27 – 3/3	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> Assessment Module 13 - Volume - Lesson 13.1 - Volume of Cylinders 	Lesson 13.1 - Khan Academy
	10 3/6 – 3/10	Unit 5 - Measurement Geometry <ul style="list-style-type: none"> Module 13 - Lesson 13.2 - Volume of Cones Lesson 13.3 - Volume of Spheres Quarter Assessment 	Lesson 13.2 - Khan Academy Lesson 13.3 - Khan Academy

All standards are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

Pre-Algebra

2016 – 2017

	Week	Major Concepts / Topics	Possible Resources
Quarter 4 Mar 21 – May 24	1 3/21 – 3/24	Unit 6 - Statistics <ul style="list-style-type: none"> 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 3/27 – 3/31	Unit 6 - Statistics <ul style="list-style-type: none"> 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 4/3 – 4/7	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> Module 8 - Solving Systems of Linear Equations - Lesson 8.2 - Solving Systems by Substitution 	Lesson 8.2 - Khan Academy
	4 4/10 – 4/13	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> 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 4/17 – 4/21	Unit 3 - Solving Equations and Systems of Equations <ul style="list-style-type: none"> Module 8 - Lesson 8.5 - Solving Special Systems 	Lesson 8.5 - Khan Academy
	6 4/24 – 4/28	<ul style="list-style-type: none"> Performance Tasks 	
	7 5/1 – 5/5	<ul style="list-style-type: none"> Algebra 1 Prerequisites - Rate of Change and Graphing a Line 	Intro to Algebra - Khan Academy
	8 5/8 – 5/12	<ul style="list-style-type: none"> Algebra 1 Prerequisites - Solving a Systems by Graphing and distinguishing between graphs with one, zero, or infinite solutions. 	
	9 5/15 – 5/19	<ul style="list-style-type: none"> Semester Assessment 	
	10 5/22 – 5/24	<ul style="list-style-type: none"> Algebra 1 Prerequisites - Exponents and Laws of Exponents 	

All standards are designed to be learned by the end of the course. This guide represents a recommended time line and sequence to be used voluntarily by teachers for planning purposes. Specific questions regarding when content will actually be addressed in a specific course is best answered by the individual teacher.

Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.