

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:

Go Math - My.hrw.com

Username: 55S(student ID)

Password: FL + mmddyyyy of birth

Other Course Supplemental Resources:

[Math Nation](#) (use student Active Directory)

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

[IXL Math – High School Standards](#)

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.

Algebra 1

2016 – 2017

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 14	1 8/10 - 8/12	Unit 1 – Working with Expressions <ul style="list-style-type: none"> Number Sense (Operations of Real Numbers) Lesson 2.2 p.38 Properties of Real Numbers (Associative, Commutative, Identity) 	
	2 8/15 – 8/19	Unit 1 – Working with Expressions <ul style="list-style-type: none"> Lesson 2.2 p.41, 42 Rational & Irrational Properties (Sum and Product of Rational & Irrational) Algebra Nation Topic – Section 5 Video 5 Lesson 3.1 p.52 – Order of Operations Lesson 3.2 p.57, 58 (Distributive Property) Lesson 4.1 p.89 – Equations in One Variable (Combining Like Terms, Justify Steps, Include fractional coefficients) 	Lesson 3.2 - Khan Academy
	3 8/22 – 8/26	Unit 2 – Solving Equations & Inequalities in One Variable on One Side & Both Sides (Use up to 4 steps to isolate the variable) <ul style="list-style-type: none"> Lesson 4.1 p.89 – Solving Inequalities in one Variable multi-step Lesson 4.2 p.97 – Solving Inequalities in One Variable (Combining Like Terms, Justify Steps, Include fractional coefficients) Algebra Nation Topic - Solving & Graphing Compound Inequalities Section 2 Video 5 & 6 Lesson 4.3 p.107 - Solving Literal Equations 	Lesson 4.1 - Khan Academy Lesson 4.2 - Khan Academy Lesson 4.3 - Khan Academy
	4 8/29 – 9/2	Unit 2 – Solving Equations & Inequalities in One Variable on One Side & Both Sides (Use up to 4 steps to isolate the variable) <ul style="list-style-type: none"> Lesson 4.1 & 4.2- Solving Equations & Inequalities in Real-Life Situations Assessment 	
	5 9/6 – 9/9	Unit 3 – Introduction to Functions <ul style="list-style-type: none"> Algebra Nation Topic - Solving Equations in Real-Life Situations Algebra Nation Topic - Equations True or False Algebra Nation Topic - Equations with Variable in the Denominator Algebra Nation Topic - Solving Equations Using the Zero Product Property Algebra Nation Topic – Section 4 Introduction to Functions (Video 5) 	
	6 9/12 – 9/16	Unit 4 – Linear Functions & Inequalities <ul style="list-style-type: none"> Unpacking the Standards p118-What is a Function (Definition & Notation) Lesson 5.1 - Evaluating a Function (Input and output) Lesson 5.2 - Representing Functions (Graph, Table, Mapping, Ordered Pairs, and Diagram) 	Lesson 5.1 - Khan Academy
	7 9/19 – 9/23	Unit 4 – Linear Functions & Inequalities <ul style="list-style-type: none"> Lesson 6.1 - p.155 Linear Functions Lesson 6.2 - p.163 Using Intercepts 	Lesson 6.1 - Khan Academy Lesson 6.2 - 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.

Algebra 1

2016 – 2017

		<ul style="list-style-type: none"> Lesson 6.3 - p.171 Using Slope Lesson 6.4 - p.179 Slope Intercept Form 	Lesson 6.3 - Khan Academy Lesson 6.4 - Khan Academy
	8 9/26 – 9/30	Unit 4- Linear Functions & Inequalities <ul style="list-style-type: none"> Lesson 6.5 – p.187 Comparing Linear Functions Lesson 6.6 – p.193 Transforming Linear Functions (Interpreting Key Features) Lesson 6.7 – p.201 Writing Linear Functions from a word problem or graph. 	Lesson 6.6 - Math Learning
	9 10/3 – 10/7	Unit 4- Linear Functions & Inequalities <ul style="list-style-type: none"> Lesson 5.3 – p.133 Understanding Sequences Algebra Nation Topic – Section 4 Video 1 Lesson 7.1 – p.213 Writing Arithmetic Sequences Lesson 7.2 – p.219 Operations with Linear Functions 	Lesson 5.3 - Khan Academy
	10 10/10 – 10/14	Unit 4- Linear Functions & Inequalities <ul style="list-style-type: none"> Lesson 7.4 – p.233 Linear Inequalities in Two Variables Algebra Nation Topic – Section 3 Video 7 Assessment 	Lesson 7.4 - 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.

Algebra 1

2016 – 2017

	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/21	Unit 5 – System of Linear Equations & Inequalities <ul style="list-style-type: none"> Lesson 9.1 – p.277 Solving Linear Systems by Graphing Lesson 9.2 – p.285 Solving Linear Systems by Substitution 	Lesson 9.1 - Khan Academy Lesson 9.2 - Khan Academy
	2 10/24 – 10/28	Unit 5 – System of Linear Equations & Inequalities <ul style="list-style-type: none"> Lesson 9.3 – p.293 Solving Linear Systems by Adding or Subtracting Lesson 9.4 – p.303 Solving Linear Systems by Multiplying Real World Problems 	Lesson 9.3 - Khan Academy Lesson 9.4 - Khan Academy
	3 10/31 – 11/4	Unit 5 – System of Linear Equations & Inequalities <ul style="list-style-type: none"> Lesson 9.5 – p.311 Solving Systems of Linear Inequalities Assessment 	Lesson 9.5 - Khan Academy
	4 11/7 – 11/10	Unit 6 – Exponential Functions <ul style="list-style-type: none"> Lesson 2.1 – p.31 Properties of Exponents Algebra Nation Topic - Section 5 Video 1 Rewrite Radical Expressions as Rational Exponents Algebra Nation Topic – Section 5 Video 2 Operations with Radical & Rational Exponents Algebra Nation Topic – Section 5 Videos 3 & 4 	
	5 11/14 – 11/18	Unit 6 – Exponential Functions <ul style="list-style-type: none"> Lesson 10.3 – p.353 Geometric Sequences Algebra Nation Topic - Section 8 Video 1 & 2 Lesson 10.1 – p.337 Exponential Functions (Identifying Parts) Algebra Nation – Section 8 Video 3 Lesson 10.2 – p.345 Recognizing Growth & Decay Given a Table or Graph Algebra Nation Topic - Section 8 Video 4 – 6 	Lesson 10.3 - Khan Academy Lesson 10.1 - Khan Academy Lesson 10.2 - Khan Academy
	6 11/21 – 11/22	<ul style="list-style-type: none"> Assessment 	
	7 11/28 – 12/2	Unit 6 – Exponential Functions <ul style="list-style-type: none"> Graph Exponential Functions by a table, intercepts, and describe the end behavior State the domain & range of an exponential function Lesson 10.4 – p.361 Transformations of Exponential Functions Lesson 11.2 – p.387 Comparing Linear & Exponential Functions 	Lesson 10.4 - Study.com
	8 12/5 – 12/9	Unit 7 – Polynomials <ul style="list-style-type: none"> Lesson 14.2 – Adding & Subtracting Polynomials Lesson 14.3 – Multiply Polynomials by Monomials Lesson 14.4 – Multiply Polynomials 	

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.

Algebra 1

2016 – 2017

	9 12/12 – 12/16	<ul style="list-style-type: none">• Review• District Exams	
	10 12/19 – 12/21	<ul style="list-style-type: none">• District Exams	

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.

Quarter 3 Jan 5 – Mar 10	Week	Major Concepts / Topics	Possible Resources
	1 1/5 – 1/6	Unit 7 - Quadratics <ul style="list-style-type: none"> Lesson 15.1 Factoring Polynomials Lesson 15.2 Factoring $x^2 + bx + c$ 	Lesson 15.1 - Khan Academy Lesson 15.2 - Khan Academy
	2 1/9 – 1/13	Unit 7 - Quadratics <ul style="list-style-type: none"> Lesson 15.2 Factoring $x^2 + bx + c$ Lesson 15.3 Factoring $ax^2 + bx + c$ Lesson 15.4 Factoring Special Products 	Lesson 15.3 - Khan Academy Lesson 15.4 - Khan Academy
	3 1/17 – 1/20	Unit 7 - Quadratics <ul style="list-style-type: none"> Lesson 16.2 – Solving $x^2 + bx + c = 0$ by Factoring (Emphasize the Zero Product Property) Lesson 16.3 - Solving $ax^2 + bx + c = 0$ by factoring Lesson 16.1 – Solving Quadratic Equations Using Square Roots Algebra Nation Topic – Section 6 Video 4-7 	Lesson 16.2 - Khan Academy Lesson 16.3 - Khan Academy Lesson 16.1 – Khan Academy
	4 1/23 – 1/27	Unit 7 - Quadratics <ul style="list-style-type: none"> Lesson 16.4 – Solving $x^2 + bx + c = 0$ by Completing the Square Lesson 16.5 – Solving $ax^2 + bx + c = 0$ by Completing the Square Lesson 16.6 – Solving $ax^2 + bx + c = 0$ by The Quadratic Formula Algebra Nation Topic – Section 6 Video 2 & 8 Algebra Nation Topic – Section 7 Video 5 	Lesson 16.4 - Khan Academy Lesson 16.5 - Khan Academy Lesson 16.6 - Khan Academy
	5 1/30 – 2/3	Unit 7 - Quadratics <ul style="list-style-type: none"> Algebra Nation Topic – Section 6 Video 1 & 9 Lesson 17.4 Characteristics of Quadratic Functions Algebra Nation Topic - Section 7 Video 1 Lesson 17.5 Solving Quadratic Equations Graphically Lesson 17.1 – Translating Quadratic Functions & Vertex Form Lesson 17.2 – Stretching, Shrinking, and Reflecting Quadratic Functions Algebra Nation Topic – Section 7 Video 4 & 6 Lesson 17.3 – Combined Transformations (AN 7 V4) 	Lesson 17.4 - Khan Academy Lesson 17.1 - Hotmath Lesson 17.2 - Hotmath Lesson 17.3 - Hotmath
	6 2/6 – 2/10	Unit 7 - Quadratics <ul style="list-style-type: none"> 17.6 End Behavior (Algebra Nation Topic 7 V6) – Graphing Polynomial Functions Comparing Linear, Quadratic, Exponential - Algebra Nation Section 9 Video 1 Comparing Functions using tables Algebra Nation Section 9 Video 2) Quadratic Word Problems (Projectile Motion, Area) Algebra Nation Section 6 Video 9 	Lesson 17.6 - Spohia.org
	7 2/13 – 2/16	Unit 8 – Functions Wrap-up – Roots, Absolute Value, Piece-Wise and Transformations <ul style="list-style-type: none"> 19.1 Square Root Functions 19.2 Transforming Square Root Functions 18.1 Piecewise Functions 	Lesson 18.1 - 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.

Algebra 1

2016 – 2017

		<ul style="list-style-type: none"> 18.2 Absolute Value Functions 	Lesson 18.2 - Khan Academy
	8 2/21 – 2/24	Unit 8 – Functions Wrap-up – Roots, Absolute Value, Piece-Wise and Transformations <ul style="list-style-type: none"> 18.3 Transforming Absolute Value Functions Transformations Recap (Algebra Nation Section 4 Video 5 & 6 and Section 9 Video 1 & 2) Modeling Linear Functions (Algebra Nation Section 9 Video 3) 	
	9 2/27 – 3/3	Unit 8 – Functions Wrap-up – Roots, Absolute Value, Piece-Wise and Transformations <ul style="list-style-type: none"> Modeling Quadratic Functions (Algebra Nation Section 9 Video 4) Modeling Exponential Functions (Algebra Nation Section 9 Video 5) 	
	10 3/6 – 3/10	Unit 9 – Data and Statistics <ul style="list-style-type: none"> 13.1 Measures of Center and Spread 13.2 Data and Outliers 	Lesson 13.2 - 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.

Algebra 1

2016 – 2017

	Week	Major Concepts / Topics	Possible Resources
Quarter 4 Mar 21 – May 24	1 3/12 – 3/24	Unit 9 – Data and Statistics <ul style="list-style-type: none"> 13.3 Histograms 13.4 Box Plots 13.5 Normal Distributions 	Lesson 13.3 - Khan Academy Lesson 13.4 - Khan Academy
	2 3/27 – 3/31	Unit 9 – Data and Statistics <ul style="list-style-type: none"> 12.1 Two-Way Frequency Tables 12.2 Relative Frequency 	Lesson 12.1 - Khan Academy Lesson 12.2 - Khan Academy
	3 4/3 – 4/7	Unit 9 – Data and Statistics <ul style="list-style-type: none"> 8.1 Correlation 8.2 Fitting Lines to Data 8.3 Linear Regression 	Lesson 8.1 - Khan Academy Lesson 8.2 - Khan Academy Lesson 8.3 - Stat Trek
	4 4/10 – 4/13	Unit 9 – Data and Statistics <ul style="list-style-type: none"> 11.1 Quadratic and Exponential Regression 	
	5 4/17 – 4/21	<ul style="list-style-type: none"> Standards Based Performance Tasks 	Algebra 1 Standards – Florida Student
	6 4/24 – 4/28	<ul style="list-style-type: none"> Standards Based Performance Tasks 	
	7 5/1 – 5/5	<ul style="list-style-type: none"> Standards Based Performance Tasks 	
	8 5/8 – 5/12	<ul style="list-style-type: none"> Standards Based Performance Tasks 	
	9 5/15 – 5/19	<ul style="list-style-type: none"> FINAL EXAMS 	
	10 5/22 – 5/24	<ul style="list-style-type: none"> FINAL EXAMS 	

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.