

Please Note:

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Publisher Resource:

[HMH \(Holt McDougal\)](#) (use student Active Directory)

Other Course Supplemental Resources:

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

[Algebra 1](#) (Khan Academy)

[IXL Math – High School Standards](#)

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

[Algebra 1 FSA EOC Mathematics Computer-Based PRACTICE TEST](#)

[Algebra 1 FSA Computer-Based Practice Test Answer Key](#)

[Mathematics Practice Tests – PARCC \(Partnership for Assessment of Readiness for College and Careers\)](#)

[Mathematics Answer Keys – PARCC](#)

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 13	1 8/10 - 8/11	Unit 1 – Working with Expressions <ul style="list-style-type: none"> Welcome/ Syllabus 	
	2 8/14 – 8/18	Unit 1 – Working with Expressions <ul style="list-style-type: none"> Number Sense (Operations of Real Numbers) Lesson 2.2, 3.2 p.38 Properties of Real Numbers (Associative, Commutative, Identity, Distributive) Lesson 2.2 p.41, 42 Rational & Irrational Properties (Sum and Product of Rational & Irrational) Lesson 3.1 p.52 – Order of Operations Lesson 4.1 p.89 – Equations in One Variable multi-step 	Lesson 3.2 - Khan Academy
	3 8/21 – 8/25	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 pg.89 – Solving Equations in One Variable multi-step (Variable on Both Sides, Combining Like Terms, Justify Steps, Include fractional coefficients) Lesson 4.2 p.97 – Solving Inequalities in One Variable (Combining Like Terms, Justify Steps, Include fractional coefficients) Solving & Graphing Compound Inequalities Lesson 4.3 p.107 - Solving Literal Equations Lesson 4.1 & 4.2- Solving Equations & Inequalities in Real-Life Situations 	Lesson 4.1 - Khan Academy Lesson 4.2 - Khan Academy Lesson 4.3 - Khan Academy
	4 8/28 – 9/1	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 4.3 p.107 - Solving Literal Equations Lesson 4.3 p.107 - Solving Literal Equations Lesson 4.1 & 4.2- Solving Equations & Inequalities in Real-Life Situations 	
	5 9/5 – 9/8	Unit 3 – Introduction to Functions <ul style="list-style-type: none"> Introduction to Functions - Is it a Function? Introduction to Functions – Domain and Range Introduction to Functions – Solutions True or False? 	Lesson 5.1 - Khan Academy

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6 9/11 – 9/15	<p>Unit 3 – Introduction to Functions</p> <ul style="list-style-type: none"> Introduction to Functions –Parent Functions <p>Unit 4 – Linear Functions & Inequalities</p> <ul style="list-style-type: none"> Lesson 6.1 - p.155 Linear Functions Lesson 6.2 - p.163 Using Intercepts, Standard Form Lesson 6.3 - p.171 Using Slope as Average Rate of Change 	<p>Lesson 6.1 - Khan Academy</p> <p>Lesson 6.2 - Khan Academy</p> <p>Lesson 6.3 - Khan Academy</p>
7 9/18 – 9/22	<p>Unit 4- Linear Functions & Inequalities</p> <ul style="list-style-type: none"> Lesson 6.4 – p.179 Graphing Linear Equations using Slope Intercept Form Lesson 6.5 – p.187 Comparing Linear Functions, Lesson 6.6 – p.193 Transforming Linear Functions (Interpreting Key Features) 	<p>Lesson 6.4 - Khan Academy</p> <p>Lesson 6.5 – Khan Academy</p> <p>Lesson 6.6 - Math Learning</p>
8 9/25 – 9/29	<p>Unit 4- Linear Functions & Inequalities</p> <ul style="list-style-type: none"> Lesson 6.7 – p.201 Writing Linear Functions from a word problem or graph. Lesson 7.2 – p.219 Operations with Linear Functions (Combining Functions) Lesson 7.4 – p.233 Linear Inequalities in Two Variables 	<p>Lesson 6.7 – Khan Academy</p>
9 10/2 – 10/6	<p>Unit 5 – System of Linear Equations & Inequalities</p> <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 	<p>Lesson 9.1 - Khan Academy</p> <p>Lesson 9.2 - Khan Academy</p>
10 10/9 – 10/13	<p>Unit 5 – System of Linear Equations & Inequalities</p> <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 	<p>Lesson 9.3 - Khan Academy</p> <p>Lesson 9.4 - Khan Academy</p>

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Quarter 2 Oct 17 – Dec 21	1 10/17 – 10/20	Unit 5 – System of Linear Equations & Inequalities <ul style="list-style-type: none"> Real World Problems Lesson 9.5 – p.311 Solving Systems of Linear Inequalities 	Lesson 9.5 - Khan Academy Khan Academy
	2 10/23 – 10/27	Unit 6 – Exponential Functions <ul style="list-style-type: none"> Lesson 2.1 – p31 Properties of Exponents (Fractional Exponents) Rewrite Radical Expressions as Rational Exponents Operations with Radical & Rational Exponents 	Lesson 2.1 – Khan Academy Rewrite Radical Expressions - Khan Academy
	3 10/30 – 11/3	Unit 6 – Exponential Functions <ul style="list-style-type: none"> Lesson 10.1 – p.337 Exponential Functions (Identifying Parts) Lesson 10.2 – p.345 Recognizing Growth & Decay Given a Table or Graph Real World Exponential Functions 	Lesson 10.1 - Khan Academy Lesson 10.2 - Khan Academy Real World – Khan Academy
	4 11/6 – 11/9	Unit 6 – Exponential Functions <ul style="list-style-type: none"> Graph Exponential Functions by a table, intercepts, and describe the end behavior Lesson 10.4 – p.361 Transformations of Exponential Functions 	Graphs – Khan Academy Lesson 10.4 - Study.com
	5 11/13 – 11/17	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 	Operations with polynomials – Khan Academy
	6 11/20 – 11/21	<ul style="list-style-type: none"> Assessment 	
	7 11/27 – 12/1	Unit 7 - Quadratics <ul style="list-style-type: none"> Lesson 15.1 Factoring Polynomials Lesson 15.2 Factoring $x^2 + bx + c$ Lesson 15.3 Factoring ax^2+bx+c 	Lesson 15.1 - Khan Academy Lesson 15.2 - Khan Academy Lesson 15.3 - Khan Academy
	8 12/4 – 12/8	Unit 7 - Quadratics <ul style="list-style-type: none"> Lesson 15.4 Factoring Special Products Review 	Lesson 15.4 - Khan Academy
	9 12/11 – 12/15	<ul style="list-style-type: none"> Review District Exams 	
	10 12/18 – 12/21	<ul style="list-style-type: none"> District Exams 	

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Quarter 3 Jan 8 – Mar 15	1 1/8 – 1/12	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 16.2 - Khan Academy Lesson 16.3 - Khan Academy
	2 1/16 – 1/19	Unit 7 – Quadratics <ul style="list-style-type: none"> Lesson 16.1 – Solving Quadratic Equations Using Square Roots Lesson 16.4 – Solving $x^2+bx+c = 0$ by Completing the Square Lesson 16.6 – Solving $ax^2+bx+c = 0$ by The Quadratic Formula 	Lesson 16.1 – Khan Academy Lesson 16.4 - Khan Academy
	3 1/22 – 1/26	Unit 7 – Quadratics <ul style="list-style-type: none"> Lesson 16.6 – Solving $ax^2+bx+c = 0$ by The Quadratic Formula Lesson 17.4 - Characteristics of Quadratic Functions 	Lesson 16.6 - Khan Academy Lesson 17.4 – Khan Academy
	4 1/30 – 2/2	Unit 7 – Quadratics <ul style="list-style-type: none"> Domain and Range Lesson 17.1 – Translating Quadratic Functions & Vertex Form 	Lesson 17.1 – Khan Academy
	5 2/5 – 2/9	Unit 7 - Quadratics <ul style="list-style-type: none"> Lesson 17.2 – Stretching, Shrinking, and Reflecting Quadratic Functions Lesson 17.3 – Combined Transformations Word Problems 	Lesson 17.2 - Hotmath Khan Academy Lesson 17.3 - Hotmath
	6 2/12 – 2/16	Unit 8 – Functions Wrap-up – Roots, Absolute Value, Piece-Wise and Transformations <ul style="list-style-type: none"> Lesson 5.3 Arithmetic Sequences Lesson 7.1 Arithmetic Sequences Lesson 10.3 Geometric Sequences 	Lesson 5.3 - Khan Academy Lesson 10.3 - Khan Academy
	7 2/20 – 2/23	Unit 8 – Functions Wrap-up – Roots, Absolute Value, Piece-Wise and Transformations <ul style="list-style-type: none"> Comparing Linear, Quadratic, Exponential Comparing Functions using tables 	
	8 2/26 – 3/2	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 18.2 Absolute Value Functions 	Lesson 18.1 - Khan Academy

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Algebra 1

2017 – 2018

	<p>9 3/5 – 3/9</p>	<p>Unit 8 – Functions Wrap-up – Roots, Absolute Value, Piece-Wise and Transformations</p> <ul style="list-style-type: none"> 18.3 Transforming Absolute Value Functions 	
	<p>10 3/12 – 3/15</p>	<p>Unit 9 – Data and Statistics</p> <ul style="list-style-type: none"> 13.1 Measures of Center and Spread 13.2 Data and Outliers 13.3 Histograms 	<p>Lesson 13.2 - Khan Academy</p>

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Quarter 4 Mar 19 – May 24	1 3/19 – 3/23	Unit 9 – Data and Statistics <ul style="list-style-type: none"> 13.4 Box Plots 13.5 Normal Distributions 12.1 Two-Way Frequency Tables 12.2 Relative Frequency 	Lesson 13.4 - Khan Academy Lesson 12.1 - Khan Academy Lesson 12.2 - Khan Academy
	2 3/26 – 3/30	<ul style="list-style-type: none"> SPRING BREAK – NO SCHOOL 	
	3 4/2 – 4/6	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 - Stattek
	4 4/9 – 4/13	Unit 9 – Data and Statistics <ul style="list-style-type: none"> 11.1 Quadratic and Exponential Regression Standards Based Performance Tasks 	
	5 4/16 – 4/20	<ul style="list-style-type: none"> Standards Based Performance Tasks 	Algebra 1 Standards – Florida Student
	6 4/23 – 4/27	<ul style="list-style-type: none"> Standards Based Performance Tasks 	
	7 4/30 – 5/4	<ul style="list-style-type: none"> Standards Based Performance Tasks 	
	8 5/7 – 5/11	<ul style="list-style-type: none"> Standards Based Performance Tasks 	
	9 5/14 – 5/18	<ul style="list-style-type: none"> FINAL EXAMS 	
	10 5/21 – 5/24	<ul style="list-style-type: none"> FINAL EXAMS 	

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