

Please Note:

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Publisher Resource:

[Pearson](#) (select your grade and course level and use your active directory)

Other Course Supplemental Resources:

[Khan Academy](#) (Algebra 1; does not support Internet Explorer)

[Math Nation](#) (Clever – use your active directory; does not support Internet Explorer)

[FSA Portal](#)

[Algebra 1 EOC Test Item Specifications](#)

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

[PARCC \(Partnership for Assessment of Readiness for College and Careers\) - Mathematics Practice Tests with Answer Keys](#)

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 12 – Oct 11	1 8/12 – 8/16	<ul style="list-style-type: none"> Operations on Real Numbers Solving Linear Equations in One Variable Solving Equations with Variables on Both Sides 	Operations on Numbers – Khan Academy Solving Equations – Khan Academy Solving Linear Equations With Variables on Both Sides – Khan Academy
	2 8/19 – 8/23	<ul style="list-style-type: none"> Literal Equations and Formulas Solving Inequalities in One Variable 	Solving Linear Equations With Variables on Both Sides – Khan Academy Solving Inequalities – Khan Academy
	3 8/26 – 8/30	<ul style="list-style-type: none"> Compound Inequalities Absolute Value Equations and Inequalities UNIT 1 SUMMATIVE 	Compound Inequalities – Khan Academy Absolute Value Function – Khan Academy
	4 9/3 – 9/6	<ul style="list-style-type: none"> Labor Day Holiday – 9/2 Slope Intercept Form of Linear Equations Point-Slope Form 	Slope Intercept Form – Khan Academy Point Slope Form – Khan Academy
	5 9/9 – 9/13	<ul style="list-style-type: none"> Standard Form of Linear Equations UNIT 2 SUMMATIVE 	Standard Form – Khan Academy
	6 9/16 – 9/20	<ul style="list-style-type: none"> Relations and Functions Linear Functions Transforming Linear Functions 	Functions – Khan Academy Linear Functions – Khan Academy
	7 9/23 – 9/27	<ul style="list-style-type: none"> Arithmetic Sequences UNIT 3 SUMMATIVE Graphing Systems of Linear Equations 	
	8 9/30 – 10/4	<ul style="list-style-type: none"> Solving Systems by Substitution Solving Systems by Elimination 	Solving Systems by Substitution – Khan Academy Solving Systems by Elimination – Khan Academy
	9 10/7 – 10/11	<ul style="list-style-type: none"> Linear Inequalities in Two Variables Systems of Linear Inequalities 	

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Quarter 2 Oct 15 – Dec 20	1 10/15 – 10/18	<ul style="list-style-type: none"> • UNIT 4 SUMMATIVE • Properties of Exponents • Rational Exponents 	Exponents – Khan Academy
	2 10/21 – 10/25	<ul style="list-style-type: none"> • Exponential Functions • Exponential Growth and Decay 	Exponential Growth and Decay – Khan Academy
	3 10/28 – 11/1	<ul style="list-style-type: none"> • Modeling with Geometric Sequences • Transformations of Exponential Functions • UNIT 6 SUMMATIVE 	Geometric Sequences – Khan Academy
	4 11/4 – 11/8	<ul style="list-style-type: none"> • Adding and Subtracting Polynomials • Multiplying Polynomials 	Adding and Subtracting Polynomials – Khan Academy
	5 11/12 – 11/15	<ul style="list-style-type: none"> • Veterans Day 9/11 • Multiplying Special Cases • Factoring Polynomials by GCF • Factoring Quadratics when a is 1 	Multiplying Special Cases – Khan Academy
	6 11/18 – 11/22	<ul style="list-style-type: none"> • Factoring Quadratics when a is not 1 • Factoring Special Cases 	Factoring Special Cases – Khan Academy
	7 11/25 – 11/26	<ul style="list-style-type: none"> • UNIT 7 SUMMATIVE • Thanksgiving Holiday 11/27 - 11/29 	
	8 12/2 – 12/6	<ul style="list-style-type: none"> • Key Features of Quadratic Functions • Quadratic Functions in Vertex form • Quadratic Functions in Standard form 	Features and Forms of Quadratics – Khan Academy Quadratics – Khan Academy Quadratic Functions in Vertex Form – Khan Academy Quadratic Functions in Standard Form – Khan Academy
	9 12/9 – 12/13	<ul style="list-style-type: none"> • UNIT 8A SUMMATIVE • Midterm Review 	
	10 12/16 – 12/20	<ul style="list-style-type: none"> • Midterm Review 	

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Quarter 3 Jan 6 – Mar 12	1 1/6– 1/10	<ul style="list-style-type: none"> Modeling with Quadratic Functions Linear, Exponential and Quadratic Models 	Graphing Quadratics – Khan Academy
	2 1/13 – 1/17	<ul style="list-style-type: none"> UNIT 8B SUMMATIVE Solving Quadratic Equations Using Graphs and Tables 	Solving Quadratic Equations Using Graphs and Tables - Khan Academy
	3 1/21 – 1/24	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday 1/20 Solving Quadratic Equations by Factoring 	Solving Quadratic Equations by Factoring – Khan Academy
	4 1/27 – 1/30	<ul style="list-style-type: none"> Teacher Inservice 1/31 Rewriting Radical Expressions Solving Quadratics by Taking Square Roots 	Rewriting Radical Expressions – Khan Academy Solving Quadratics by Taking Square Roots – Khan Academy
	5 2/3 – 2/7	<ul style="list-style-type: none"> Completing the Square Quadratic Formula and the Discriminant 	Completing the Square – Khan Academy
	6 2/10 – 2/14	<ul style="list-style-type: none"> UNIT 9 SUMMATIVE The Square Root Function The Cube Root Function 	Introduction to Square Roots – Khan Academy Introduction to Cube Roots – Khan Academy
	7 2/17 – 2/21	<ul style="list-style-type: none"> Presidents Day Holiday 2/17 Analyzing Functions Graphically Translations of Functions 	Translations of Functions - Khan Academy
	8 2/24 – 2/28	<ul style="list-style-type: none"> Compressions and Stretches of Functions Operations with Functions UNIT 10 SUMMATIVE 	
	9 3/2 – 3/6	<ul style="list-style-type: none"> Analyzing Data Displays Comparing Data Sets Interpreting the Shapes of Data Displays 	
	10 3/9 – 3/12	<ul style="list-style-type: none"> Standard Deviation Two-Way Frequency Tables Data Distributions 	Two – Way Frequency Tables - Khan Academy

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Quarter 4 Mar 23 – May 27	1 3/16 – 3/20	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	
	2 3/23 – 3/27	<ul style="list-style-type: none"> • Normal Distributions • Scatter Plots and Lines of Fit • Analyzing Lines of Fit 	Scatter Plots and Lines of Fit - Khan Academy
	3 3/30 – 4/3	<ul style="list-style-type: none"> • UNIT 11 SUMMATIVE • Absolute Value Functions • Piecewise Defined Functions • Step Functions 	Absolute Value and Piece-wise Functions – Khan Academy
	4 4/6 – 4/9	<ul style="list-style-type: none"> • Holiday 4/10 • Transformations of Functions • UNIT 5 SUMMATIVE 	Transformations of Functions - Khan Academy
	5 4/14 – 4/17	<ul style="list-style-type: none"> • Holiday 4/13 • Polynomial Identities • Dividing Polynomials 	Polynomial Identities - Khan Academy
	6 4/20 – 4/24	<ul style="list-style-type: none"> • Inverse Variation and the Reciprocal Function • Graphing Rational Functions • Multiplying and Dividing Rational Expressions 	
	7 4/27 – 5/1	<ul style="list-style-type: none"> • Adding and Subtracting Rational Expressions • Solving Rational Equations • UNIT 12 SUMMATIVE 	
	8 5/4 – 5/8	<ul style="list-style-type: none"> • Standards review 	
	9 5/11 – 5/15	<ul style="list-style-type: none"> • Standards review 	
	10 5/18 – 5/22	<ul style="list-style-type: none"> • Standards review 	

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	11 5/25 – 5/27	<ul style="list-style-type: none">Standards review	
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