

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

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

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

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

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