

**Please Note:**

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**Publisher Resource:**

[CollegePrepAlgebra.com](http://CollegePrepAlgebra.com)

**Other Course Supplemental Resources:**

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 13	1 8/10 - 8/11	<b>Chapter 1 – The Real Number System</b> <ul style="list-style-type: none"> <li>• Lesson 1.1 - Real Numbers</li> <li>• Lesson 1.2 - Add &amp; Subtract Integers</li> </ul>	Lesson 1.1 and 1.2 – <a href="#">YouTube Video</a> Lesson 1.1 and 1.2 – <a href="#">Khan Academy</a>
	2 8/14 – 8/18	<ul style="list-style-type: none"> <li>• Lesson 1.3 - Multiplying &amp; Dividing Integers and Lesson</li> <li>• Lesson 1.4 - Operations with Rational Numbers</li> <li>• Topic 20 - Real number operations</li> <li>• Lesson 1.5 - Exponents and Properties of Real Numbers</li> <li>• Topic 5 - Repeating Decimals</li> <li>• Assessment</li> </ul> <b>Chapter 2 - Fundamentals of Algebra</b> <ul style="list-style-type: none"> <li>• Lesson 2.1 - Writing and Evaluating Algebraic Expressions</li> </ul>	Lesson 1.3 and 1.4 – <a href="#">YouTube Video</a> Lesson 1.3 and 1.4 – <a href="#">Khan Academy</a>  Lesson 1.5 and Topic 5 – <a href="#">YouTube Video</a> Lesson 1.5 and Topic 5 – <a href="#">Khan Academy</a>
	3 8/21 – 8/25	<ul style="list-style-type: none"> <li>• Lesson 2.2 - Simplifying Algebraic Expressions</li> <li>• Lesson 2.3 - Algebra and Problem Solving</li> </ul>	Lesson 2.1 – <a href="#">YouTube Video</a> Lesson 2.1 – <a href="#">Khan Academy</a> Lesson 2.2 - <a href="#">YouTube Video</a> Lesson 2.2 - <a href="#">Khan Academy</a> Lesson 2.3 – <a href="#">YouTube Video</a> Lesson 2.3 – <a href="#">Khan Academy</a>
	4 8/28 – 9/1	<ul style="list-style-type: none"> <li>• Lesson 2.4 - Introduction to Equations</li> <li>• Assessment</li> </ul> <b>Chapter 3 - Equations, Inequalities, and Problem Solving</b> <ul style="list-style-type: none"> <li>• Unit 3 – Lesson 3.1 - Solving Linear Equations</li> </ul>	Lesson 2.4 – <a href="#">YouTube Video</a> Lesson 2.4 – <a href="#">Khan Academy</a>  Lesson 3.1 – <a href="#">YouTube Video</a> Lesson 3.1 – <a href="#">Khan Academy</a> Lesson 3.2 – <a href="#">YouTube Video</a> Lesson 3.2 – <a href="#">Khan Academy</a>
	5 9/5 – 9/8	<ul style="list-style-type: none"> <li>• Lesson 3.2 - Equations that Reduce to Linear Form</li> <li>• Lesson 3.3 - Problem Solving with Percents</li> </ul>	Lesson 3.3 – <a href="#">YouTube Video</a> Lesson 3.3 – <a href="#">Khan Academy</a> Lesson 3.4 – <a href="#">YouTube Video</a> Lesson 3.4 – <a href="#">Khan Academy</a>
	6 9/11 – 9/15	<ul style="list-style-type: none"> <li>• Lesson 3.4 - Ratios and Proportions</li> <li>• Review</li> <li>• Assessment</li> </ul> <ul style="list-style-type: none"> <li>• Topic 10- Partitioning Segments</li> <li>• Lesson 3.5 - Geometric and Scientific Applications</li> </ul>	Lesson 3.5 – <a href="#">YouTube Video</a> Lesson 3.5 – <a href="#">Khan Academy</a>
		<ul style="list-style-type: none"> <li>• Lesson 3.6 - Linear Inequalities</li> <li>• Lesson 3.7 - Absolute Value Equations and Inequalities</li> </ul>	Lessons 3.6 – <a href="#">YouTube Video</a> Lessons 3.6 – <a href="#">Khan Academy</a> Lessons 3.7 – <a href="#">YouTube Video</a>

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		<ul style="list-style-type: none"> <li>• Review</li> <li>• Assessment</li> </ul>	Lessons 3.7 – <a href="#">Khan Academy</a>
	7 9/18 – 9/22	<b>Chapter 4 - Graphs and Functions</b> <ul style="list-style-type: none"> <li>• Unit 4 – Lesson 4.1 - Ordered Pairs and Graphs</li> <li>• Lesson 4.2 - Graphs of Equations in Two variables</li> <li>• Lesson 4.3 - Relations, Functions, and Graphs</li> <li>• Assessment</li> </ul>	Lesson 4.1 – <a href="#">YouTube Video</a> Lesson 4.1 – <a href="#">Khan Academy</a> Lesson 4.2 – <a href="#">YouTube Video</a> Lesson 4.2 – <a href="#">Khan Academy</a> Lesson 4.3 – <a href="#">YouTube Video</a> Lesson 4.3 – <a href="#">Khan Academy</a>
	8 9/25 – 9/29	<b>Chapter 4 - Graphs and Functions</b> <ul style="list-style-type: none"> <li>• Lesson 4.4 - Slope and Graphs of Linear Equations</li> <li>• Topic 16 - Graphing Proportional Relationships</li> <li>• Review</li> <li>• Assessment</li> </ul>	Lesson 4.4 – <a href="#">YouTube Video</a> Lesson 4.4 – <a href="#">Khan Academy</a>
	9 10/2 – 10/6	<b>Chapter 4 - Graphs and Functions</b> <ul style="list-style-type: none"> <li>• Topic 9 - Step and Piecewise functions</li> <li>• Lesson 4.5 - Equations of Lines</li> <li>• Topic 11 - Scatterplots and lines of Fit</li> </ul>	Lesson 4.5 – <a href="#">YouTube Video</a> Lesson 4.5 – <a href="#">Khan Academy</a>
	10 10/9 – 10/13	<b>Chapter 4 - Graphs and Functions</b> <ul style="list-style-type: none"> <li>• Lesson 4.6 - Graphs of linear Inequalities</li> <li>• Review</li> <li>• Assessment</li> </ul>	Lesson 4.6 – <a href="#">YouTube Video</a> Lesson 4.6 – <a href="#">Khan Academy</a>

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Quarter 2 Oct 17 – Dec 21	1 10/17 – 10/20	<b>Chapter 5 - Exponents and Polynomials</b> <ul style="list-style-type: none"> <li>Unit 5 – Lesson 5.1 - Integer Exponents, and Scientific Notation</li> <li>Lesson 5.2 - Adding and Subtracting Polynomials</li> <li>Assessment</li> </ul>	Lesson 5.1 – <a href="#">YouTube Video</a> Lesson 5.1 – <a href="#">Khan Academy</a> Lesson 5.2 – <a href="#">YouTube Video</a> Lesson 5.2 – <a href="#">Khan Academy</a>
	2 10/23 – 10/27	<b>Chapter 5 - Exponents and Polynomials</b> <ul style="list-style-type: none"> <li>Lesson 5.3 - Multiplying Polynomials; Special Products</li> <li>Lesson 5.4 - Diving Polynomials and Synthetic Division</li> <li>Assessment</li> </ul>	Lesson 5.3 – <a href="#">YouTube Video</a> Lesson 5.3 – <a href="#">Khan Academy</a> Lesson 5.4 – <a href="#">YouTube Video</a> Lesson 5.4 – <a href="#">Khan Academy</a>
	3 10/30 – 11/3	<b>Chapter 6 - Factoring and Solving Equations</b> <ul style="list-style-type: none"> <li>Unit 6 – Lesson 6.1 - Factoring Polynomials with Common Factors</li> <li>Lesson 6.2 - Factoring Trinomials</li> </ul>	Lesson 6.1 – <a href="#">YouTube Video</a> Lesson 6.1 – <a href="#">Khan Academy</a> Lesson 6.2 – <a href="#">YouTube Video</a> Lesson 6.2 – <a href="#">Khan Academy</a>
	4 11/6 – 11/9	<b>Chapter 6 - Factoring and Solving Equations</b> <ul style="list-style-type: none"> <li>Lesson 6.3 - More about Factoring Trinomials</li> <li>Assessment</li> <li>Lesson 6.4 – Factoring Polynomials with Special Forms</li> </ul>	Lesson 6.3 – <a href="#">YouTube Video</a> Lesson 6.3 – <a href="#">Khan Academy</a>  Lesson 6.4 – <a href="#">YouTube Video</a> Lesson 6.4 – <a href="#">Khan Academy</a>
	5 11/13 – 11/17	<b>Chapter 6 - Factoring and Solving Equations</b> <ul style="list-style-type: none"> <li>Lesson 6.5 - Solving Polynomial Equations by Factoring</li> <li>Review</li> <li>Assessment</li> </ul>	Lesson 6.5 – <a href="#">YouTube Video</a> Lesson 6.5 – <a href="#">Khan Academy</a>
	6 11/20 – 11/21	<b>Chapter 7 - Rational Expressions, Equations, and Functions</b> <ul style="list-style-type: none"> <li>Unit 7 – Lesson 7.1 Rational Expressions and Functions</li> </ul>	Lesson 7.1 - <a href="#">YouTube Video</a> Lesson 7.1 – <a href="#">Khan Academy</a>
	7 11/27 – 12/1	<b>Chapter 7 - Rational Expressions, Equations, and Functions</b> <ul style="list-style-type: none"> <li>Lesson 7.2 - Multiplying and Dividing Rational Expressions</li> <li>Lesson 7.3 - Adding and Subtracting Rational Expressions</li> </ul>	Lesson 7.2 – <a href="#">YouTube Video</a> Lesson 7.2 – <a href="#">Khan Academy</a> Lesson 7.3 – <a href="#">YouTube Video</a>

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		<ul style="list-style-type: none"> <li>• Assessment</li> </ul>	Lesson 7.3 – <a href="#">Khan Academy</a>
	8 12/4 – 12/8	<b>Chapter 7 - Rational Expressions, Equations, and Functions</b> <ul style="list-style-type: none"> <li>• Lesson 7.4 - Complex Fractions</li> <li>• Lesson 7.5 – Solving Rational Equations</li> </ul>	Lesson 7.4 - <a href="#">YouTube Video</a> Lesson 7.4 – <a href="#">Khan Academy</a> Lesson 7.5 - <a href="#">YouTube Video</a> Lesson 7.5 – <a href="#">Khan Academy</a>
	9 12/11 – 12/15	<ul style="list-style-type: none"> <li>• Assessment</li> <li>• Exam Review</li> </ul>	
	10 12/18 – 12/21	<ul style="list-style-type: none"> <li>• Semester Review/District Exams</li> </ul>	

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Quarter 3 Jan 8 – Mar 15	1 1/8 – 1/12	<b>Chapter 7 - Rational Expressions, Equations, and Functions</b> <ul style="list-style-type: none"> <li>• Review Lesson 7.1 and 7.5</li> <li>• Topic 15 – Graphing Rational Functions</li> <li>• Lesson 7-6 - Applications and Variation</li>   <li>• Assessment</li> </ul>	Topic 15 - <a href="#">YouTube Video</a> Lesson 7.6 - <a href="#">YouTube Video</a> Lesson 7.6 – <a href="#">Khan Academy</a>
	2 1/16 – 1/19	<b>Chapter 8 - Systems of Equations and Inequalities</b> <ul style="list-style-type: none"> <li>• Lesson 8.1 - Solving systems of Equations by Graphing and Substitution</li>   <li>• Lesson 8.2 - Solving Systems of Equations by Elimination</li>   <li>• Lesson 8.6 – Systems of linear Inequalities</li> </ul>	Lesson 8.1 – <a href="#">YouTube Video</a> Lesson 8.1 – <a href="#">Khan Academy</a> Lesson 8.2 – <a href="#">YouTube Video</a> Lesson 8.2 – <a href="#">Khan Academy</a> Lesson 8.6 – <a href="#">YouTube Video</a> Lesson 8.6 – <a href="#">Khan Academy</a>
	3 1/22 – 1/26	<b>Chapter 8 - Systems of Equations and Inequalities</b> <ul style="list-style-type: none"> <li>• Lesson 8.6 – Systems of linear Inequalities</li> <li>• Assessment 8.1, 8.2, 8.6</li> </ul> <b>Chapter 9 - Radicals and Complex Numbers</b> <ul style="list-style-type: none"> <li>• Lesson 9.1 - Radicals and Rational Exponents</li> </ul>	Lesson 9.1 - <a href="#">YouTube Video</a> Lesson 9.1 – <a href="#">Khan Academy</a>
	4 1/30 – 2/2	<b>Chapter 9 - Radicals and Complex Numbers</b> <ul style="list-style-type: none"> <li>• Lesson 9.1 - Radicals and Rational Exponents</li> <li>• Lesson 9.2 – Simplifying Radical Expressions</li>   <li>• Topic 19 - The Distance Formula</li> </ul>	Lesson 9.2 - <a href="#">YouTube Video</a> Lesson 9.2 - <a href="#">Khan Academy</a>
	5 2/5 – 2/9	<b>Chapter 9 - Radicals and Complex Numbers</b> <ul style="list-style-type: none"> <li>• Lesson 9.3 – Adding and Subtracting Radical Expressions</li>   <li>• Review</li> <li>• Assessment</li> </ul>	Lesson 9.3 - <a href="#">YouTube Video</a> Lesson 9.3 – <a href="#">Khan Academy</a>
	6 2/12 – 2/16	<b>Chapter 9 - Radicals and Complex Numbers</b> <ul style="list-style-type: none"> <li>• Lesson 9.4 Multiplying and Dividing Radical Expressions</li>   <li>• Topic 18 - Graphing Square and Cube Root Functions</li> </ul>	Lesson 9.4 – <a href="#">YouTube Video</a> Lesson 9.4 – <a href="#">Khan Academy</a>

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	<ul style="list-style-type: none"> <li>Lesson 9.5 – Radical Equations and Applications</li> <li>Lesson 9.6 - Complex Numbers</li> </ul>	Lesson 9.5 – <a href="#">YouTube Video</a> Lesson 9.5 – <a href="#">Khan Academy</a> Lesson 9.6 – <a href="#">YouTube Video</a> Lesson 9.6 – <a href="#">Khan Academy</a>
7 2/20 – 2/23	<ul style="list-style-type: none"> <li>Review</li> <li>Assessment</li> </ul> <p><b>Chapter 10 - Quadratic Equations, Functions, and Inequalities</b></p> <ul style="list-style-type: none"> <li>Unit 10 – Lesson 10.1 - Solving Quadratic Equations</li> </ul>	Lesson 10.1 - <a href="#">YouTube Video</a> Lesson 10.1 – <a href="#">Khan Academy</a>
8 2/26 – 3/2	<ul style="list-style-type: none"> <li>Unit 10 – Lesson 10.1 - Solving Quadratic Equations</li> <li>Lesson 10.2 - Completing the Square</li> <li>Lesson 10.3 – Quadratic Formula</li> </ul>	Lesson 10.2 - <a href="#">YouTube Video</a> Lesson 10.2 – <a href="#">Khan Academy</a> Lesson 10.3 - <a href="#">YouTube Video</a> Lesson 10.3 – <a href="#">Khan Academy</a>
9 3/5 – 3/9	<p><b>Chapter 10 - Quadratic Equations, Functions, and Inequalities</b></p> <ul style="list-style-type: none"> <li>Lesson 10.4 – Graphs of Quadratic Functions</li> <li>Topic 8 – Symmetry and Behavior of Graphs</li> <li>Lesson 10.5 – Applications of Quadratic Equations</li> </ul>	Lesson 10.4 - <a href="#">YouTube Video</a> Lesson 10.4 – <a href="#">Khan Academy</a>  Lesson 10.5 - <a href="#">YouTube Video</a> Lesson 10.5 – <a href="#">Khan Academy</a>
10 3/12 – 3/15	<ul style="list-style-type: none"> <li>Review</li> <li>Assessment</li> <li>Lesson 10.6 - Quadratic and Rational Inequalities</li> </ul>	Lesson 10.6 - <a href="#">YouTube Video</a> Lesson 10.6 – <a href="#">Khan Academy</a>

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Quarter 4 Mar 19 – May 24	1 3/19 – 3/23	<b>Chapter 11 - Quadratic Equations, Functions, and Inequalities</b> <ul style="list-style-type: none"> <li>Lesson 11.1 - Exponential Functions</li> <li>Lesson 11.2 - Composite and Inverse Functions</li> <li>Assessment</li> </ul>	Lesson 11.1 – <a href="#">YouTube Video</a> Lesson 11.1 – <a href="#">Khan Academy</a> Lesson 11.2 – <a href="#">YouTube Video</a> Lesson 11.2 – <a href="#">Khan Academy</a>
	2 3/26 – 3/30	<ul style="list-style-type: none"> <li><b>SPRING BREAK – NO SCHOOL</b></li> </ul>	
	3 4/2 – 4/6	<b>Chapter 11 - Quadratic Equations, Functions, and Inequalities</b> <ul style="list-style-type: none"> <li>Review 11.1, 11.2 Exponential Functions and Composite and Inverse Functions</li> <li>Lesson 11.3 - Logarithmic Functions</li> <li>Lesson 11.4 - Properties of Logarithms</li> </ul>	Lesson 11.3 – <a href="#">YouTube Video</a> Lesson 11.3 – <a href="#">Khan Academy</a> Lesson 11.4 – <a href="#">YouTube Video</a> Lesson 11.4 – <a href="#">Khan Academy</a>
	4 4/9 – 4/13	<b>Chapter 11 - Quadratic Equations, Functions, and Inequalities</b> <ul style="list-style-type: none"> <li>Lesson 11.5 - Solving Exponential and Logarithmic Equations</li> <li>Lesson 11.6 - Applications</li> <li>Topic 21 - Two-way tables</li> </ul>	Lesson 11.5 – <a href="#">YouTube Video</a> Lesson 11.5 – <a href="#">Khan Academy</a> Lesson 11.6 – <a href="#">Khan Academy</a> Topic 21 - <a href="#">YouTube Video</a>
	5 4/16 – 4/20	<ul style="list-style-type: none"> <li>Review</li> <li>Chapter 11 Assessment</li> </ul> <b>Chapter 12 - Conics</b> <ul style="list-style-type: none"> <li>Unit 12 – Lesson 12.1 - Circles and Parabolas</li> <li>Lesson 12.2 – Ellipses</li> </ul>	Lesson 12.1 – <a href="#">YouTube Video</a> Lesson 12.1 – <a href="#">Khan Academy</a> Lesson 12.2 - <a href="#">YouTube Video</a> Lesson 12.2 – <a href="#">Khan Academy</a>
	6 4/23 – 4/27	<b>Chapter 12 - Conics</b> <ul style="list-style-type: none"> <li>Lesson 12.2 – Ellipses</li> <li>Lesson 12.3 – Hyperbolas</li> <li>Lesson 12.4 - Solving non-linear systems of equations</li> </ul>	Lesson 12.3 – <a href="#">YouTube Video</a> Lesson 12.3 – <a href="#">Khan Academy</a>

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	7 4/30 – 5/4	<b>Chapter 12 - Conics</b> <ul style="list-style-type: none"> <li>Lesson 12.4 - Solving non-linear systems of equations</li> <li>Review</li> <li>Assessment</li> </ul>	Lesson 12.4 - <a href="#">YouTube Video</a> Lesson 12.4 – <a href="#">Khan Academy</a>
	8 5/7 – 5/11	<ul style="list-style-type: none"> <li>Exam Review</li> </ul>	
	9 5/14 – 5/18	<ul style="list-style-type: none"> <li>Exam Review/ Finals</li> </ul>	
	10 5/21 – 5/24	<ul style="list-style-type: none"> <li>Final Exams</li> </ul>	

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