

Please Note:

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Publisher Resource:

CollegePrepAlgebra.com

Other Course Supplemental Resources:

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 12	1 8/10	Chapter 1 – The Real Number System <ul style="list-style-type: none"> Lesson 1.1 - Real Numbers 	Lesson 1.1 and 1.2 – YouTube Video Lesson 1.1 and 1.2 – Khan Academy
	2 8/13 – 8/17	<ul style="list-style-type: none"> Lesson 1.2 - Add & Subtract Integers Lesson 1.3 - Multiplying & Dividing Integers and Lesson Lesson 1.4 - Operations with Rational Numbers Topic 20 - Real number operations Lesson 1.5 - Exponents and Properties of Real Numbers Topic 5 - Repeating Decimals Assessment Chapter 2 - Fundamentals of Algebra <ul style="list-style-type: none"> Lesson 2.1 - Writing and Evaluating Algebraic Expressions Lesson 2.2 - Simplifying Algebraic Expressions 	Lesson 1.1 and 1.2 – YouTube Video Lesson 1.1 and 1.2 – Khan Academy Lesson 1.3 and 1.4 – YouTube Video Lesson 1.3 and 1.4 – Khan Academy Lesson 1.5 and Topic 5 – YouTube Video Lesson 1.5 and Topic 5 – Khan Academy Lesson 2.1 – YouTube Video Lesson 2.1 – Khan Academy Lesson 2.2 – YouTube Video Lesson 2.2 – Khan Academy
	3 8/20 – 8/24	<ul style="list-style-type: none"> Lesson 2.3 - Algebra and Problem Solving Lesson 2.4 - Introduction to Equations Assessment Chapter 3 - Equations, Inequalities, and Problem Solving <ul style="list-style-type: none"> Unit 3 – Lesson 3.1 - Solving Linear Equations Lesson 3.2 - Equations that Reduce to Linear Form 	Lesson 2.3 – YouTube Video Lesson 2.3 – Khan Academy Lesson 3.1 – YouTube Video Lesson 3.1 – Khan Academy Lesson 3.2 – YouTube Video Lesson 3.2 – Khan Academy
	4 8/27 – 8/31	<ul style="list-style-type: none"> Lesson 3.3 - Problem Solving with Percents Lesson 3.4 - Ratios and Proportions Review Assessment 	Lesson 3.3 – YouTube Video Lesson 3.3 – Khan Academy Lesson 3.4 – YouTube Video Lesson 3.4 – Khan Academy

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<p>5 9/3 – 9/7</p>	<ul style="list-style-type: none"> • Topic 10- Partitioning Segments • Lesson 3.5 - Geometric and Scientific Applications 	<p>Lesson 3.5 – YouTube Video Lesson 3.5 – Khan Academy</p>
<p>6 9/10 – 9/14</p>	<ul style="list-style-type: none"> • Lesson 3.6 - Linear Inequalities • Lesson 3.7 - Absolute Value Equations and Inequalities • Review • Assessment 	<p>Lessons 3.6 – YouTube Video Lessons 3.6 – Khan Academy Lessons 3.7 – YouTube Video Lessons 3.7 – Khan Academy</p>
<p>7 9/17 – 9/21</p>	<p>Chapter 4 - Graphs and Functions</p> <ul style="list-style-type: none"> • Unit 4 – Lesson 4.1 - Ordered Pairs and Graphs • Lesson 4.2 - Graphs of Equations in Two variables • Lesson 4.3 - Relations, Functions, and Graphs • Assessment 	<p>Lesson 4.1 – YouTube Video Lesson 4.1 – Khan Academy Lesson 4.2 – YouTube Video Lesson 4.2 – Khan Academy Lesson 4.3 – YouTube Video Lesson 4.3 – Khan Academy</p>
<p>8 9/24 – 9/28</p>	<p>Chapter 4 - Graphs and Functions</p> <ul style="list-style-type: none"> • Lesson 4.4 - Slope and Graphs of Linear Equations • Topic 16 - Graphing Proportional Relationships • Review • Assessment 	<p>Lesson 4.4 – YouTube Video Lesson 4.4 – Khan Academy</p>
<p>9 10/1 – 10/5</p>	<p>Chapter 4 - Graphs and Functions</p> <ul style="list-style-type: none"> • Topic 9 - Step and Piecewise functions • Lesson 4.5 - Equations of Lines • Topic 11 - Scatterplots and lines of Fit 	<p>Lesson 4.5 – YouTube Video Lesson 4.5 – Khan Academy</p>
<p>10 10/8 – 10/12</p>	<p>Chapter 4 - Graphs and Functions</p> <ul style="list-style-type: none"> • Lesson 4.6 - Graphs of linear Inequalities • Review • Assessment 	<p>Lesson 4.6 – YouTube Video Lesson 4.6 – Khan Academy</p>

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Quarter 2 Oct 16 – Dec 21	1 10/16 – 10/19	Chapter 5 - Exponents and Polynomials <ul style="list-style-type: none"> Unit 5 – Lesson 5.1 - Integer Exponents, and Scientific Notation Lesson 5.2 - Adding and Subtracting Polynomials Assessment 	Lesson 5.1 – YouTube Video Lesson 5.1 – Khan Academy Lesson 5.2 – YouTube Video Lesson 5.2 – Khan Academy
	2 10/22 – 10/26	Chapter 5 - Exponents and Polynomials <ul style="list-style-type: none"> Lesson 5.3 - Multiplying Polynomials; Special Products Lesson 5.4 - Dividing Polynomials and Synthetic Division Assessment 	Lesson 5.3 – YouTube Video Lesson 5.3 – Khan Academy Lesson 5.4 – YouTube Video Lesson 5.4 – Khan Academy
	3 10/29 – 11/2	Chapter 6 - Factoring and Solving Equations <ul style="list-style-type: none"> Unit 6 – Lesson 6.1 - Factoring Polynomials with Common Factors Lesson 6.2 - Factoring Trinomials 	Lesson 6.1 – YouTube Video Lesson 6.1 – Khan Academy Lesson 6.2 – YouTube Video Lesson 6.2 – Khan Academy
	4 11/5 – 11/9	Chapter 6 - Factoring and Solving Equations <ul style="list-style-type: none"> Lesson 6.3 - More about Factoring Trinomials Assessment Lesson 6.4 – Factoring Polynomials with Special Forms 	Lesson 6.3 – YouTube Video Lesson 6.3 – Khan Academy Lesson 6.4 – YouTube Video Lesson 6.4 – Khan Academy
	5 11/12 – 11/16	Chapter 6 - Factoring and Solving Equations <ul style="list-style-type: none"> Lesson 6.5 - Solving Polynomial Equations by Factoring Review Assessment 	Lesson 6.5 – YouTube Video Lesson 6.5 – Khan Academy
	6 11/19 – 11/20	Chapter 7 - Rational Expressions, Equations, and Functions <ul style="list-style-type: none"> Unit 7 – Lesson 7.1 Rational Expressions and Functions 	Lesson 7.1 - YouTube Video Lesson 7.1 – Khan Academy

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<p style="text-align: center;">7 11/26 – 11/30</p>	<p>Chapter 7 - Rational Expressions, Equations, and Functions</p> <ul style="list-style-type: none"> • Lesson 7.2 - Multiplying and Dividing Rational Expressions • Lesson 7.3 - Adding and Subtracting Rational Expressions • Assessment 	<p>Lesson 7.2 – YouTube Video Lesson 7.2 – Khan Academy Lesson 7.3 – YouTube Video Lesson 7.3 – Khan Academy</p>
<p style="text-align: center;">8 12/3 – 12/7</p>	<p>Chapter 7 - Rational Expressions, Equations, and Functions</p> <ul style="list-style-type: none"> • Lesson 7.4 - Complex Fractions • Lesson 7.5 – Solving Rational Equations • Assessment 	<p>Lesson 7.4 - YouTube Video Lesson 7.4 – Khan Academy Lesson 7.5 - YouTube Video Lesson 7.5 – Khan Academy</p>
<p style="text-align: center;">9 12/10 – 12/14</p>	<ul style="list-style-type: none"> • Exam Review 	
<p style="text-align: center;">10 12/17 – 12/21</p>	<ul style="list-style-type: none"> • Semester Review/District Exams 	

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Quarter 3 Jan 7 – Mar 14	1 1/7– 1/11	Chapter 7 - Rational Expressions, Equations, and Functions <ul style="list-style-type: none"> Review Lesson 7.1 and 7.5 Topic 15 – Graphing Rational Functions Lesson 7-6 - Applications and Variation Assessment 	Topic 15 - YouTube Video Lesson 7.6 - YouTube Video Lesson 7.6 – Khan Academy
	2 1/14 – 1/18	Chapter 8 - Systems of Equations and Inequalities <ul style="list-style-type: none"> Lesson 8.1 - Solving systems of Equations by Graphing and Substitution Lesson 8.2 - Solving Systems of Equations by Elimination Lesson 8.6 – Systems of linear Inequalities 	Lesson 8.1 – YouTube Video Lesson 8.1 – Khan Academy Lesson 8.2 – YouTube Video Lesson 8.2 – Khan Academy Lesson 8.6 – YouTube Video Lesson 8.6 – Khan Academy
	3 1/21 – 1/25	Chapter 8 - Systems of Equations and Inequalities <ul style="list-style-type: none"> Lesson 8.6 – Systems of linear Inequalities Assessment 8.1, 8.2, 8.6 Chapter 9 - Radicals and Complex Numbers <ul style="list-style-type: none"> Lesson 9.1 - Radicals and Rational Exponents 	Lesson 9.1 - YouTube Video Lesson 9.1 – Khan Academy
	4 1/28 – 2/1	Chapter 9 - Radicals and Complex Numbers <ul style="list-style-type: none"> Lesson 9.1 - Radicals and Rational Exponents Lesson 9.2 – Simplifying Radical Expressions Topic 19 - The Distance Formula 	Lesson 9.2 - YouTube Video Lesson 9.2 - Khan Academy
	5 2/4 – 2/8	Chapter 9 - Radicals and Complex Numbers <ul style="list-style-type: none"> Lesson 9.3 – Adding and Subtracting Radical Expressions Review Assessment 	Lesson 9.3 - YouTube Video Lesson 9.3 – Khan Academy

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<p>6 2/11 – 2/15</p>	<p>Chapter 9 - Radicals and Complex Numbers</p> <ul style="list-style-type: none"> Lesson 9.4 Multiplying and Dividing Radical Expressions Topic 18 - Graphing Square and Cube Root Functions Lesson 9.5 – Radical Equations and Applications Lesson 9.6 - Complex Numbers 	<p>Lesson 9.4 – YouTube Video Lesson 9.4 – Khan Academy</p> <p>Lesson 9.5 – YouTube Video Lesson 9.5 – Khan Academy Lesson 9.6 – YouTube Video Lesson 9.6 – Khan Academy</p>
<p>7 2/18 – 2/22</p>	<ul style="list-style-type: none"> Review Assessment <p>Chapter 10 - Quadratic Equations, Functions, and Inequalities</p> <ul style="list-style-type: none"> Unit 10 – Lesson 10.1 - Solving Quadratic Equations 	<p>Lesson 10.1 - YouTube Video Lesson 10.1 – Khan Academy</p>
<p>8 2/25 – 3/1</p>	<ul style="list-style-type: none"> Unit 10 – Lesson 10.1 - Solving Quadratic Equations Lesson 10.2 - Completing the Square Lesson 10.3 – Quadratic Formula 	<p>Lesson 10.2 - YouTube Video Lesson 10.2 – Khan Academy Lesson 10.3 - YouTube Video Lesson 10.3 – Khan Academy</p>
<p>9 3/4 – 3/8</p>	<p>Chapter 10 - Quadratic Equations, Functions, and Inequalities</p> <ul style="list-style-type: none"> Lesson 10.4 – Graphs of Quadratic Functions Topic 8 – Symmetry and Behavior of Graphs Lesson 10.5 – Applications of Quadratic Equations 	<p>Lesson 10.4 - YouTube Video Lesson 10.4 – Khan Academy</p> <p>Lesson 10.5 - YouTube Video Lesson 10.5 – Khan Academy</p>
<p>10 3/11 – 3/14</p>	<ul style="list-style-type: none"> Review Assessment Lesson 10.6 - Quadratic and Rational Inequalities 	<p>Lesson 10.6 - YouTube Video Lesson 10.6 – Khan Academy</p>

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Quarter 4 Mar 18 – May 24	1 3/18 – 3/22	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	
	2 3/25 – 3/29	<p>Chapter 11 - Quadratic Equations, Functions, and Inequalities</p> <ul style="list-style-type: none"> • Lesson 11.1 - Exponential Functions • Lesson 11.2 - Composite and Inverse Functions • Assessment 	Lesson 11.1 – YouTube Video Lesson 11.1 – Khan Academy Lesson 11.2 – YouTube Video Lesson 11.2 – Khan Academy
	3 4/1 – 4/5	<p>Chapter 11 - Quadratic Equations, Functions, and Inequalities</p> <ul style="list-style-type: none"> • Review 11.1, 11.2 Exponential Functions and Composite and Inverse Functions • Lesson 11.3 - Logarithmic Functions • Lesson 11.4 - Properties of Logarithms 	Lesson 11.3 – YouTube Video Lesson 11.3 – Khan Academy Lesson 11.4 – YouTube Video Lesson 11.4 – Khan Academy
	4 4/8 – 4/12	<p>Chapter 11 - Quadratic Equations, Functions, and Inequalities</p> <ul style="list-style-type: none"> • Lesson 11.5 - Solving Exponential and Logarithmic Equations • Lesson 11.6 - Applications • Topic 21 - Two-way tables 	Lesson 11.5 – YouTube Video Lesson 11.5 – Khan Academy Lesson 11.6 – Khan Academy Topic 21 - YouTube Video
	5 4/15 – 4/19	<ul style="list-style-type: none"> • Review • Chapter 11 Assessment <p>Chapter 12 - Conics</p> <ul style="list-style-type: none"> • Unit 12 – Lesson 12.1 - Circles and Parabolas • Lesson 12.2 – Ellipses 	Lesson 12.1 – YouTube Video Lesson 12.1 – Khan Academy Lesson 12.2 - YouTube Video Lesson 12.2 – Khan Academy
	6 4/22 – 4/26	<p>Chapter 12 - Conics</p> <ul style="list-style-type: none"> • Lesson 12.2 – Ellipses • Lesson 12.3 – Hyperbolas 	Lesson 12.3 – YouTube Video Lesson 12.3 – Khan Academy

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		<ul style="list-style-type: none"> Lesson 12.4 - Solving non-linear systems of equations 	
	<p>7 4/29 – 5/3</p>	<p>Chapter 12 - Conics</p> <ul style="list-style-type: none"> Lesson 12.4 - Solving non-linear systems of equations Review Assessment 	<p>Lesson 12.4 - YouTube Video Lesson 12.4 – Khan Academy</p>
	<p>8 5/6 – 5/10</p>	<ul style="list-style-type: none"> Standards Review 	
	<p>9 5/13 – 5/17</p>	<ul style="list-style-type: none"> Standards Review 	
	<p>10 5/20 – 5/24</p>	<ul style="list-style-type: none"> District Final Exams 	

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