

Please Note:

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Publisher Resource:

CollegePrepAlgebra.com

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 14	1 8/10 - 8/12	Chapter 1 – The Real Number System <ul style="list-style-type: none"> • Pre-test – Unit 1 • Lesson 1.1 - Real Numbers and Lesson 1.2 - Add & Subtract Integers • Lesson 1.3 - Multiplying & Dividing Integers and Lesson 1.4 - Operations with Rational Numbers and Topic 20 - Real number operations • Lesson 1.5 - Exponents and Properties of Real Numbers and Topic 5 - Repeating Decimals • Assessment 	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
	2 8/15 – 8/19	Chapter 2 - Fundamentals of Algebra <ul style="list-style-type: none"> • Pre-test – Unit 2 • Lesson 2.1 - Writing and Evaluating Algebraic Expressions • Lesson 2.2 - Simplifying Algebraic Expressions • Lesson 2.3 - Algebra and Problem Solving • Lesson 2.4 - Introduction to Equations 	Lesson 2.1 – YouTube Video Lesson 2.1 – Khan Academy Lesson 2.2 - YouTube Video Lesson 2.2 - Khan Academy Lesson 2.3 – YouTube Video Lesson 2.3 – Khan Academy Lesson 2.4 – YouTube Video Lesson 2.4 – Khan Academy
	3 8/22 – 8/26	Chapter 2 - Fundamentals of Algebra <ul style="list-style-type: none"> • Review • 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 3.1 – YouTube Video Lesson 3.1 – Khan Academy Lesson 3.2 – YouTube Video Lesson 3.2 – Khan Academy
	4 8/29 – 9/2	Chapter 3 - Equations, Inequalities, and Problem Solving <ul style="list-style-type: none"> • Lesson 3.3 - Problem Solving with Percents • Lesson 3.4 - Ratios and Proportions • Assessment 	Lesson 3.3 – YouTube Video Lesson 3.3 – Khan Academy Lesson 3.4 – YouTube Video Lesson 3.4 – Khan Academy
	5 9/6 – 9/9	Chapter 3 - Equations, Inequalities, and Problem Solving <ul style="list-style-type: none"> • Topic 10 - Partitioning Segments • Lesson 3.5 - Geometric and Scientific Applications 	Lesson 3.5 – YouTube Video Lesson 3.5 – Khan Academy

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Mathematics for College Readiness

2016 – 2017

<p>6 9/12 – 9/16</p>	<p>Chapter 3 - Equations, Inequalities, and Problem Solving</p> <ul style="list-style-type: none"> Lesson 3.6 - Linear Inequalities Lesson 3.7 - Absolute Value Equations and Inequalities 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 9/19 – 9/23</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 9/26 – 9/30</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 Assessment 	<p>Lesson 4.4 – YouTube Video Lesson 4.4 – Khan Academy</p>
<p>9 10/3 – 10/7</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 10/10 – 10/14</p>	<p>Chapter 4 - Graphs and Functions</p> <ul style="list-style-type: none"> Lesson 4.6 - Graphs of linear Inequalities Assessment 	<p>Lesson 4.6 – YouTube Video Lesson 4.6 – Khan Academy</p>

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	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/21	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 10/24 – 10/28	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 	Lesson 5.3 – YouTube Video Lesson 5.3 – Khan Academy Lesson 5.4 – YouTube Video Lesson 5.4 – Khan Academy
	3 10/31 – 11/4	Chapter 5 - Exponents and Polynomials <ul style="list-style-type: none"> • Assessment 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 11/7 – 11/10	Chapter 6 - Factoring and Solving Equations <ul style="list-style-type: none"> • Lesson 6.3 - More about Factoring Trinomials • Lesson 6.4 – Factoring Polynomials with Special Forms • Assessment 	Lesson 6.3 – YouTube Video Lesson 6.3 – Khan Academy Lesson 6.4 – YouTube Video Lesson 6.4 – Khan Academy
	5 11/14 – 11/18	Chapter 6 - Factoring and Solving Equations <ul style="list-style-type: none"> • Lesson 6.4 - Factoring Polynomials with Special forms • Lesson 6.5 - Solving Polynomial Equations by Factoring • Assessment 	Lesson 6.4 – YouTube Video Lesson 6.4 – Khan Academy Lesson 6.5 – YouTube Video Lesson 6.5 – Khan Academy
	6 11/21 – 11/22	<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
	7 11/28 – 12/2	Chapter 7 - Rational Expressions, Equations, and Functions <ul style="list-style-type: none"> • Lesson 7.2 - Multiplying and Dividing Rational Expressions 	Lesson 7.2 – YouTube Video Lesson 7.2 – Khan Academy

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		<ul style="list-style-type: none"> Assessment 	
8 12/5 – 12/9	Chapter 7 - Rational Expressions, Equations, and Functions <ul style="list-style-type: none"> Lesson 7.3 - Adding and Subtracting Rational Expressions Lesson 7.4 - Complex Fractions Assessment 	Lesson 7.3 – YouTube Video Lesson 7.3 – Khan Academy Lesson 7.4 - YouTube Video Lesson 7.4 – Khan Academy	
9 12/12 – 12/16	<ul style="list-style-type: none"> Lesson 7.5 – Solving Rational Equations Assessment 	Lesson 7.5 - YouTube Video Lesson 7.5 – Khan Academy	
10 12/19 – 12/21	<ul style="list-style-type: none"> Semester Review/District Exams 		

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Quarter 3 Jan 5 – Mar 10	1 1/5 – 1/6	Chapter 7 - Rational Expressions, Equations, and Functions <ul style="list-style-type: none"> Review Lesson 7.1 and 7.4 	
	2 1/9 – 1/13	<ul style="list-style-type: none"> Topic 15 – Graphing Rational Functions Lesson 7.5 – Solving Rational Equations 	Topic 15 - YouTube Video Lesson 7.5 - YouTube Video Lesson 7.5 – Khan Academy
	3 1/17 – 1/20	<ul style="list-style-type: none"> Lesson 7-6 - Applications and Variation Assessment Chapter 8 - Systems of Equations and Inequalities <ul style="list-style-type: none"> Unit 8 – Lesson 8.1 - Solving systems of Equations by Graphing and Substitution 	Lesson 7.6 - YouTube Video Lesson 7.6 – Khan Academy Lesson 8.1 – YouTube Video Lesson 8.1 – Khan Academy
	4 1/23 – 1/27	Chapter 8 - Systems of Equations and Inequalities <ul style="list-style-type: none"> Unit 8 – Lesson 8.1 - Solving systems of Equations by Graphing and Substitution Lesson 8.2 - Solving Systems of Equations by Elimination 	Lesson 8.1 – YouTube Video Lesson 8.1 – Khan Academy Lesson 8.2 – YouTube Video Lesson 8.2 – Khan Academy
	5 1/30 – 2/3	<ul style="list-style-type: none"> Lesson 8.6 – Systems of linear Inequalities Assessment Lesson 9.1 - Radicals and Rational Exponents 	Lesson 8.6 – YouTube Video Lesson 8.6 – Khan Academy Lesson 9.1 - YouTube Video Lesson 9.1 – Khan Academy
	6 2/6 – 2/10	Chapter 9 - Radicals and Complex Numbers <ul style="list-style-type: none"> Lesson 9.2 – Simplifying Radical Expressions Topic 19 - The Distance Formula Lesson 9.3 – Adding and Subtracting Radical Expressions Assessment 	Lesson 9.2 - YouTube Video Lesson 9.2 - Khan Academy Topic 19 - YouTube Video Lesson 9.3 - YouTube Video Lesson 9.3 – Khan Academy
	7 2/13 – 2/16	Chapter 9 - Radicals and Complex Numbers <ul style="list-style-type: none"> Lesson 9.4 - Multiplying and Dividing Radical Expressions Topic 18 - Graphing Square and Cube Root Functions 9.5 – Radical Equations and Applications 	Lesson 9.4 – YouTube Video Lesson 9.4 – Khan Academy Lesson 9.5 – YouTube Video Lesson 9.5 – Khan Academy

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8 2/21 – 2/24	Chapter 9 - Radicals and Complex Numbers <ul style="list-style-type: none"> • Lesson 9.6 - Complex Numbers • Assessment 	Lesson 9.6 – YouTube Video Lesson 9.6 – Khan Academy
9 2/27 – 3/3	Chapter 10 - Quadratic Equations, Functions, and Inequalities <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 	Lesson 10.1 - YouTube Video Lesson 10.1 – Khan Academy Lesson 10.2 - YouTube Video Lesson 10.2 – Khan Academy Lesson 10.3 - YouTube Video Lesson 10.3 – Khan Academy
10 3/6 – 3/10	<ul style="list-style-type: none"> • Lesson 10.4 – Graphs of Quadratic Functions • Lesson 10.5 – Applications of Quadratic Equations • Topic 8 – Symmetry and Behavior of Graphs • Assessment 	Lesson 10.4 - YouTube Video Lesson 10.4 – Khan Academy Lesson 10.5 - YouTube Video Lesson 10.5 – Khan Academy

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2016 – 2017

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Quarter 4 Mar 21 – May 24	1 3/12 – 3/24	Chapter 10 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> Lesson 10.6 - Quadratic and Rational Inequalities Assessment 	Lesson 10.6 - YouTube Video Lesson 10.6 – Khan Academy
	2 3/27 – 3/31	Chapter 11 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> Lesson 11.1 - Exponential Functions Lesson 11.2 - Composite and Inverse Functions 	Lesson 11.1 – YouTube Video Lesson 11.1 – Khan Academy Lesson 11.2 - YouTube Video Lesson 11.2 – Khan Academy
	3 4/3 – 4/7	Chapter 11 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> 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 4/10 – 4/13	Chapter 11 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> Lesson 11.5 - Solving Exponential and Logarithmic Equations Lesson 11.6 - Applications Topic 21 - Two-way tables Assessment 	Lesson 11.5 – YouTube Video Lesson 11.5 – Khan Academy Lesson 11.6 – Khan Academy Topic 21 - YouTube Video
	5 4/17 – 4/21	Chapter 12 - Conics <ul style="list-style-type: none"> Unit 12 – Lesson 12.1 - Circles and Parabolas Lesson 12.2 – Ellipses Assessment 	Lesson 12.1 – YouTube Video Lesson 12.1 – Khan Academy Lesson 12.2 - YouTube Video Lesson 12.2 – Khan Academy
	6 4/24 – 4/28	Chapter 12 - Conics <ul style="list-style-type: none"> Lesson 12.3 – Hyperbolas Assessment 	Lesson 12.3 – YouTube Video Lesson 12.3 – Khan Academy
	7 5/1 – 5/5	<ul style="list-style-type: none"> Lesson 12.4 - Solving non-linear systems of equations Assessment 	Lesson 12.4 - YouTube Video Lesson 12.4 – Khan Academy
	8 5/8 – 5/12	<ul style="list-style-type: none"> Project Based Learning (Standards Review) 	

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	9 5/15 – 5/19	<ul style="list-style-type: none">• Project Based Learning (Standards Review)	
	10 5/22 – 5/24	<ul style="list-style-type: none">• Final Exams	

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