

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 13	1 8/10 - 8/11	Chapter 1 – The Real Number System <ul style="list-style-type: none"> • Lesson 1.1 - Real Numbers • Lesson 1.2 - Add & Subtract Integers 	Lesson 1.1 and 1.2 – YouTube Video Lesson 1.1 and 1.2 – Khan Academy
	2 8/14 – 8/18	<ul style="list-style-type: none"> • 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 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
	3 8/21 – 8/25	<ul style="list-style-type: none"> • Lesson 2.2 - Simplifying Algebraic Expressions • Lesson 2.3 - Algebra and Problem Solving 	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
	4 8/28 – 9/1	<ul style="list-style-type: none"> • 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 2.4 – YouTube Video Lesson 2.4 – Khan Academy Lesson 3.1 – YouTube Video Lesson 3.1 – Khan Academy Lesson 3.2 – YouTube Video Lesson 3.2 – Khan Academy
	5 9/5 – 9/8	<ul style="list-style-type: none"> • Lesson 3.2 - Equations that Reduce to Linear Form • Lesson 3.3 - Problem Solving with Percents 	Lesson 3.3 – YouTube Video Lesson 3.3 – Khan Academy Lesson 3.4 – YouTube Video Lesson 3.4 – Khan Academy
	6 9/11 – 9/15	<ul style="list-style-type: none"> • Lesson 3.4 - Ratios and Proportions • Review • Assessment <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
		<ul style="list-style-type: none"> • Lesson 3.6 - Linear Inequalities • Lesson 3.7 - Absolute Value Equations and Inequalities 	Lessons 3.6 – YouTube Video Lessons 3.6 – Khan Academy Lessons 3.7 – YouTube Video

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		<ul style="list-style-type: none"> • Review • Assessment 	Lessons 3.7 – Khan Academy
	7 9/18 – 9/22	Chapter 4 - Graphs and Functions <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 	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
	8 9/25 – 9/29	Chapter 4 - Graphs and Functions <ul style="list-style-type: none"> • Lesson 4.4 - Slope and Graphs of Linear Equations • Topic 16 - Graphing Proportional Relationships • Review • Assessment 	Lesson 4.4 – YouTube Video Lesson 4.4 – Khan Academy
	9 10/2 – 10/6	Chapter 4 - Graphs and Functions <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 	Lesson 4.5 – YouTube Video Lesson 4.5 – Khan Academy
	10 10/9 – 10/13	Chapter 4 - Graphs and Functions <ul style="list-style-type: none"> • Lesson 4.6 - Graphs of linear Inequalities • Review • Assessment 	Lesson 4.6 – YouTube Video Lesson 4.6 – Khan Academy

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Quarter 2 Oct 17 – Dec 21	1 10/17 – 10/20	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 10/23 – 10/27	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 10/30 – 11/3	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 11/6 – 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 11/13 – 11/17	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 11/20 – 11/21	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
	7 11/27 – 12/1	Chapter 7 - Rational Expressions, Equations, and Functions <ul style="list-style-type: none"> • Lesson 7.2 - Multiplying and Dividing Rational Expressions • Lesson 7.3 - Adding and Subtracting Rational Expressions 	Lesson 7.2 – YouTube Video Lesson 7.2 – Khan Academy Lesson 7.3 – YouTube Video

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

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Quarter 3 Jan 8 – Mar 15	1 1/8 – 1/12	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 1/16 – 1/19	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 1/22 – 1/26	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 1/30 – 2/2	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 2/5 – 2/9	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
	6 2/12 – 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 	Lesson 9.4 – YouTube Video Lesson 9.4 – Khan Academy

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	<ul style="list-style-type: none"> Lesson 9.5 – Radical Equations and Applications Lesson 9.6 - Complex Numbers 	Lesson 9.5 – YouTube Video Lesson 9.5 – Khan Academy Lesson 9.6 – YouTube Video Lesson 9.6 – Khan Academy
7 2/20 – 2/23	<ul style="list-style-type: none"> Review Assessment Chapter 10 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> Unit 10 – Lesson 10.1 - Solving Quadratic Equations 	Lesson 10.1 - YouTube Video Lesson 10.1 – Khan Academy
8 2/26 – 3/2	<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 10.2 - YouTube Video Lesson 10.2 – Khan Academy Lesson 10.3 - YouTube Video Lesson 10.3 – Khan Academy
9 3/5 – 3/9	Chapter 10 - Quadratic Equations, Functions, and Inequalities <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 	Lesson 10.4 - YouTube Video Lesson 10.4 – Khan Academy Lesson 10.5 - YouTube Video Lesson 10.5 – Khan Academy
10 3/12 – 3/15	<ul style="list-style-type: none"> Review Assessment Lesson 10.6 - Quadratic and Rational Inequalities 	Lesson 10.6 - YouTube Video Lesson 10.6 – Khan Academy

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Quarter 4 Mar 19 – May 24	1 3/19 – 3/23	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 Assessment 	Lesson 11.1 – YouTube Video Lesson 11.1 – Khan Academy Lesson 11.2 – YouTube Video Lesson 11.2 – Khan Academy
	2 3/26 – 3/30	<ul style="list-style-type: none"> SPRING BREAK – NO SCHOOL 	
	3 4/2 – 4/6	Chapter 11 - Quadratic Equations, Functions, and Inequalities <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 4/9 – 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 	Lesson 11.5 – YouTube Video Lesson 11.5 – Khan Academy Lesson 11.6 – Khan Academy Topic 21 - YouTube Video
	5 4/16 – 4/20	<ul style="list-style-type: none"> Review Chapter 11 Assessment Chapter 12 - Conics <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 4/23 – 4/27	Chapter 12 - Conics <ul style="list-style-type: none"> Lesson 12.2 – Ellipses Lesson 12.3 – Hyperbolas Lesson 12.4 - Solving non-linear systems of equations 	Lesson 12.3 – YouTube Video Lesson 12.3 – Khan Academy

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

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