

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 9	1 8/10 – 8/14	Chapter 1 – The Real Number System <ul style="list-style-type: none"> • Lesson 1.1 - Real Numbers • Lesson 1.2 - Add & Subtract Integers • Lesson 1.3 - Multiplying & Dividing Integers and Lesson • Lesson 1.4 - Operations with Rational Numbers 	Real Numbers - YouTube Video Real Numbers - Khan Academy Operations with Integers and Rational Numbers - YouTube Video Operations with Integers and Rational Numbers - Khan Academy
	2 8/17 – 8/21	Chapter 1 – The Real Number System <ul style="list-style-type: none"> • Topic 20 - Real number operations • Lesson 1.5 - Exponents and Properties of Real Numbers • Topic 5 - Repeating Decimals • Assessment 	Exponents, Properties of Real Numbers, and Repeating Decimals - YouTube Video Exponents, Properties of Real Numbers, and Repeating Decimals - Khan Academy
	3 8/24 – 8/28	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 2.3 - Algebra and Problem Solving • Lesson 2.4 - Introduction to Equations 	Writing and Evaluating Algebraic Expressions - YouTube Video Writing and Evaluating Algebraic Expressions - Khan Academy Simplifying Algebraic Expressions - YouTube Video Simplifying Algebraic Expressions Khan Academy Algebra and Problem Solving - YouTube Video Algebra and Problem Solving - Khan Academy Solving Linear Equations - YouTube Video Solving Linear Equations - Khan Academy Equations that Reduce to Linear Form - YouTube Video Equations that Reduce to Linear Form - Khan Academy
	4 8/31 – 9/4	Chapter 2 - Fundamentals of Algebra <ul style="list-style-type: none"> • Assessment Chapter 3 - Equations, Inequalities, and Problem Solving <ul style="list-style-type: none"> • Lesson 3.1 - Solving Linear Equations • Lesson 3.2 - Equations that Reduce to Linear Form 	Solving Linear Equations - YouTube Video Solving Linear Equations - Khan Academy Equations that Reduce to Linear Form - YouTube Video Equations that Reduce to Linear Form - Khan Academy
	5 9/7 – 9/11	LABOR DAY HOLIDAY 9/7 Chapter 3 - Equations, Inequalities, and Problem Solving <ul style="list-style-type: none"> • Lesson 3.2 - Equations that Reduce to Linear Form • Lesson 3.3 - Problem Solving with Percents • Review • Assessment 	Equations that Reduce to Linear Form - YouTube Video Equations that Reduce to Linear Form - Khan Academy Problem Solving with Percents - YouTube Video Problem Solving with Percents - Khan Academy
	6 9/14 – 9/18	Chapter 3 - Equations, Inequalities, and Problem Solving <ul style="list-style-type: none"> • Lesson 3.5 - Geometric and Scientific Applications • Lesson 3.6 - Linear Inequalities 	Geometric and Scientific Applications - YouTube Video Geometric and Scientific Applications - Khan Academy Linear Inequalities - YouTube Video

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		<ul style="list-style-type: none"> Lesson 3.7 - Absolute Value Equations and Inequalities 	Linear Inequalities Khan Academy Absolute Value Equations and Inequalities - YouTube Video Absolute Value Equations and Inequalities - Khan Academy
	7 9/21 – 9/25	Chapter 3 - Equations, Inequalities, and Problem Solving <ul style="list-style-type: none"> Review Assessment Chapter 4 - Graphs and Functions <ul style="list-style-type: none"> Lesson 4.1 - Ordered Pairs and Graphs 	Slope and Graphs of Linear Equations - YouTube Video Slope and Graphs of Linear Equations - Khan Academy Ordered Pairs and Graphs - YouTube Video Ordered Pairs and Graphs - Khan Academy
	8 9/28 – 10/2	Chapter 4 - Graphs and Functions <ul style="list-style-type: none"> Topic 10 – Partitioning Segments Lesson 4.2 - Graphs of Equations in Two variables Lesson 4.3 - Relations, Functions, and Graphs 	Graphs of Equations in Two Variables - YouTube Video Graphs of Equations in Two Variables - Khan Academy Relations, Functions, and Graphs - YouTube Video Relations, Functions, and Graphs - Khan Academy
	9 10/5 – 10/9	Chapter 4 - Graphs and Functions <ul style="list-style-type: none"> Topic 16 - Graphing Proportional Relationships Lesson 4.4 - Slope and Graphs of Linear Equations Review Assessment 	Slope and Graphs of Linear Equations - YouTube Video Slope and Graphs of Linear Equations - Khan Academy

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Quarter 2 Oct 12 – Dec 18	1 10/12 – 10/16	TEACHER PLANNING DAY 10/12 PSAT 10/14 Chapter 4 - Graphs and Functions <ul style="list-style-type: none"> • Topic 19 – The Distance Formula • Topic 9 - Step and Piecewise functions • Lesson 4.5 - Equations of Lines 	Equations of Lines - YouTube Video Equations of Lines – Khan Academy
	2 10/19 – 10/23	Chapter 4 - Graphs and Functions <ul style="list-style-type: none"> • Topic 11 - Scatterplots and Lines of Fit • Lesson 4.6 - Graphs of linear Inequalities • Review • Assessment 	Graphs of Linear Inequalities – YouTube Video Graphs of Linear Inequalities – Khan Academy
	3 10/26 – 10/30	Chapter 5 - Exponents and Polynomials <ul style="list-style-type: none"> • Lesson 5.1 - Integer Exponents, and Scientific Notation • Lesson 5.2 - Adding and Subtracting Polynomials • Review • Assessment 	Integer Exponents, and Scientific Notation - YouTube Video Integer Exponents, and Scientific Notation - Khan Academy Adding and Subtracting Polynomials – YouTube Video Adding and Subtracting Polynomials – Khan Academy
	4 11/2 – 11/6	Chapter 5 - Exponents and Polynomials <ul style="list-style-type: none"> • Lesson 5.3 - Multiplying Polynomials; Special Products • Lesson 5.4 - Diving Polynomials and Synthetic Division • Review 	Multiplying Polynomials - YouTube Video Multiplying Polynomials - Khan Academy Dividing Polynomials - YouTube Video Dividing Polynomials - Khan Academy
	5 11/9 – 11/13	VETERANS DAY HOLIDAY 11/11 Chapter 5 - Exponents and Polynomials <ul style="list-style-type: none"> • Assessment Chapter 6 - Factoring and Solving Equations <ul style="list-style-type: none"> • Lesson 6.1 - Factoring Polynomials with Common Factors • Lesson 6.2 - Factoring Trinomials 	Factoring Polynomials with Common Factors - YouTube Video Factoring Polynomials with Common Factors - Khan Academy Factoring Trinomials - YouTube Video Factoring Trinomials - Khan Academy
	6 11/16 – 11/20	Chapter 6 - Factoring and Solving Equations <ul style="list-style-type: none"> • Lesson 6.2 - Factoring Trinomials • Lesson 6.3 - More about Factoring Trinomials • Assessment • Lesson 6.4 – Factoring Polynomials with Special Forms 	Factoring Trinomials - YouTube Video Factoring Trinomials - Khan Academy Factoring Polynomials with Special Forms - YouTube Video Factoring Polynomials with Special Forms - Khan Academy
	7 11/23 – 11/24	Chapter 6 - Factoring and Solving Equations <ul style="list-style-type: none"> • Lesson 6.4 – Factoring Polynomials with Special Forms • Polynomial Identities and Pythagorean Triples Review 	Factoring Polynomials with Special Forms - YouTube Video Factoring Polynomials with Special Forms - Khan Academy

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		THANKSGIVING HOLIDAY 11/25 – 11/27	
	8 11/30 – 12/4	Chapter 6 - Factoring and Solving Equations <ul style="list-style-type: none"> • Lesson 6.5 - Solving Polynomial Equations by Factoring • Review • Assessment 	Solving Polynomial Equations by Factoring - YouTube Video Solving Polynomial Equations by Factoring - Khan Academy
	9 12/7 – 12/11	<ul style="list-style-type: none"> • Semester Review 	
	10 12/14 – 12/18	<ul style="list-style-type: none"> • Semester Review • District Exams 	

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Quarter 3 Jan 5 – Mar 11	1 1/5– 1/8	Chapter 7 - Rational Expressions, Equations, and Functions <ul style="list-style-type: none"> Lesson 7.1 Rational Expressions and Functions Lesson 7.2 - Multiplying and Dividing Rational Expressions 	Rational Expressions and Functions - YouTube Video Rational Expressions and Functions - Khan Academy Multiplying/Dividing Rational Expressions - YouTube Video Multiplying/Dividing Rational Expressions - Khan Academy
	2 1/11 – 1/15	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 Review Assessment 	Multiplying/Dividing Rational Expressions - YouTube Video Multiplying/Dividing Rational Expressions - Khan Academy Adding/Subtracting Rational Expressions - YouTube Video Adding/Subtracting Rational Expressions - Khan Academy
	3 1/18 – 1/22	MARTIN LUTHER KING JR. HOLIDAY 1/18 Chapter 7 - Rational Expressions, Equations, and Functions <ul style="list-style-type: none"> Lesson 7.4 - Complex Fractions Lesson 7.5 – Solving Rational Equations 	Complex Fractions - YouTube Video Complex Fractions - Khan Academy Solving Rational Equations - YouTube Video Solving Rational Equations - Khan Academy
	4 1/25 – 1/29	Chapter 7 - Rational Expressions, Equations, and Functions <ul style="list-style-type: none"> Topic 15 – Graphing Rational Functions Review TEACHER INSERVICE 1/29	
	5 2/1 – 2/5	Chapter 7 - Rational Expressions, Equations, and Functions <ul style="list-style-type: none"> Assessment Chapter 8 - Systems of Equations and Inequalities <ul style="list-style-type: none"> Lesson 8.1 - Solving systems of Equations by Graphing and Substitution 	Solving Systems of Equation by Graphing and Substitution - YouTube Video Solving Systems of Equation by Graphing and Substitution - Khan Academy
	6 2/8 – 2/12	Chapter 8 - Systems of Equations and Inequalities <ul style="list-style-type: none"> Lesson 8.2 - Solving Systems of Equations by Elimination Lesson 8.6 – Systems of linear Inequalities 	Solving Systems by Elimination - YouTube Video Solving Systems by Elimination - Khan Academy Systems of Linear Inequalities - YouTube Video Systems of Linear Inequalities - Khan Academy
	7 2/15 – 2/19	PRESIDENT’S DAY HOLIDAY 2/15 Chapter 8 - Systems of Equations and Inequalities <ul style="list-style-type: none"> Lesson 8.6 – Systems of linear Inequalities Review Assessment 	Systems of Linear Inequalities - YouTube Video Systems of Linear Inequalities - Khan Academy
	8 2/22 – 2/26	Chapter 8 - Systems of Equations and Inequalities <ul style="list-style-type: none"> Assessment Chapter 9 - Radicals and Complex Numbers	Simplifying Radical Expressions - YouTube Video Simplifying Radical Expressions - Khan Academy

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		<ul style="list-style-type: none"> Lesson 9.1 - Radicals and Rational Exponents Lesson 9.2 – Simplifying Radical Expressions 	
	9 3/1 – 3/5	Chapter 9 - Radicals and Complex Numbers <ul style="list-style-type: none"> Topic 18 - Graphing Square and Cube Root Functions Lesson 9.5 – Radical Equations and Applications 	Radical Equations - YouTube Video Radical Equations - Khan Academy
	10 3/8 – 3/11	Chapter 9 - Radicals and Complex Numbers <ul style="list-style-type: none"> Review Assessment Chapter 10 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> Lesson 10.1 - Solving Quadratic Equations 	Solving Quadratic Equations - YouTube Video Solving Quadratic Equations - Khan Academy

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Quarter 4 Mar 15 – May 25	1 3/15 – 3/19	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	
	2 3/22 – 3/26	Chapter 10 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> • Lesson 10.1 - Solving Quadratic Equations • Lesson 10.2 - Completing the Square 	Solving Quadratic Equations - YouTube Video Solving Quadratic Equations - Khan Academy Completing the Square - YouTube Video Completing the Square - Khan Academy
	3 3/29 – 4/2	Chapter 10 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> • Lesson 10.3 – Quadratic Formula Lesson • Lesson 10.4 – Graphs of Quadratic Functions HOLIDAY 4/2	Quadratic Formula - YouTube Video Quadratic Formula - Khan Academy Graphs of Quadratic Equations - YouTube Video Graphs of Quadratic Equations - Khan Academy
	4 4/5 – 4/9	Chapter 10 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> • Transformations of Quadratics • Topic 8 – Symmetry and Behavior of Graphs 	
	5 4/12 – 4/16	Chapter 10 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> • Average Rate of Change • Lesson 10.5 – Applications of Quadratic Equations 	Applications of Quadratics - YouTube Video Applications of Quadratics - Khan Academy
	6 4/19 – 4/23	Chapter 10 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> • Review • Assessment Chapter 11 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> • Lesson 11.1 - Exponential Functions • Lesson 11.6 - Applications • Assessment 	Exponential Functions - YouTube Video Exponential Functions - Khan Academy Applications - Khan Academy
	7 4/26 – 4/30	Chapter 11 - Quadratic Equations, Functions, and Inequalities <ul style="list-style-type: none"> • Lesson 11.6 - Applications • Lesson 11.2 – Composite Functions • Assessment 	Applications - Khan Academy Composite Functions - YouTube Video Composite Functions - Khan Academy
	8 5/3 – 5/7	Chapter 12 - Conics <ul style="list-style-type: none"> • 12.4 Solving Nonlinear Systems of Equations 	Solving Non-Linear Systems - YouTube Video Solving Non-Linear Systems - Khan Academy
	9 5/10 – 5/14	<ul style="list-style-type: none"> • Topic 21 - Two-Way Tables • Review • Assessment 	Two-Way Tables - YouTube Video
	10 5/17 – 5/21	<ul style="list-style-type: none"> • Course Standards Review • District Final Exams 	

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	<p style="text-align: center;">11 5/24 – 5/25</p>	<ul style="list-style-type: none"> • District Final Exams 	
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