

Please Note:

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Publisher Resource:

[Pearson](#) (use your active directory)

Other Course Supplemental Resources:

[Khan Academy](#) (Algebra 2; does not support Internet Explorer)

[Math Nation](#) (Clever – use your active directory; does not support Internet Explorer)

[Math Planet](#) (Algebra 2)

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 31 - Oct 30	1 8/31 – 9/4	<ul style="list-style-type: none"> 1-1 Key Features of Functions 	<i>Unit: functions</i> - Khan Academy
	2 9/7 – 9/11	<ul style="list-style-type: none"> 1-2 Transformations of Functions 1-3 Piecewise Defined Functions 	Identifying function transformations - Khan Academy Shifting functions - Khan Academy Introduction to piecewise functions - Khan Academy Graphs of nonlinear piecewise functions - Khan Academy
	3 9/14 – 9/18	<ul style="list-style-type: none"> 1-4 Arithmetic Sequences and Series Review Remediation 	Intro to arithmetic sequences - Khan Academy
	4 9/21 – 9/25	<ul style="list-style-type: none"> 1-5 Solving Equations and Inequalities by Graphing 	Solving equations by graphing - Khan Academy
	5 9/28 – 10/2	<ul style="list-style-type: none"> 1-6 Linear Systems 	
	6 10/5 – 10/9	<ul style="list-style-type: none"> Remediate Review Assess 2-1 Vertex Form of a Quadratic Function 	Vertex form - Khan Academy
	7 10/12 – 10/16	<ul style="list-style-type: none"> 2-2 Standard Form of a Quadratic Function 2-3 Factored Form of a Quadratic Function 	Graphing quadratics: standard form - Khan Academy Graphing quadratics in factored form - Khan Academy
	8 10/19 – 10/23	<ul style="list-style-type: none"> 2-4 Complex Numbers and Operations 2-5 Completing the Square 	Unit: Complex numbers - Khan Academy Intro to complex numbers - Khan Academy Completing the square - Khan Academy
	9 10/26 – 10/30	<ul style="list-style-type: none"> 2-6 The Quadratic Formula and the Discriminant 2-7 Geometric Properties of Parabolas 	Quadratic formula - Khan Academy Using the quadratic formula - Khan Academy Intro to parabolas - Khan Academy

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Quarter 2 Nov 2 - Jan 25*	1 11/2 – 11/6	<ul style="list-style-type: none"> Teacher Planning Day 11/3 2.8 Linear-Quadratic Systems 	
	2 11/9 – 11/13	<ul style="list-style-type: none"> Veterans Day 11/11 Remediate Review Assess 	
	3 11/16 – 11/20	<ul style="list-style-type: none"> 3-1 Graphing Polynomial Functions 3-2 Adding, Subtracting, and Multiplying Polynomials 	<i>Unit: Polynomial graphs - Khan Academy</i> Graphing polynomials (practice) - Khan Academy Adding polynomials - Khan Academy Subtracting polynomials - Khan Academy Multiplying monomials by polynomials - Khan Academy
	4 11/23 – 11/27	<ul style="list-style-type: none"> 3-3 Polynomial Identities Thanksgiving Holiday 11/25 - 11/27 	Polynomial identities - Khan Academy
	5 11/30 – 12/4	<ul style="list-style-type: none"> 3-4 Dividing Polynomials 3-5 Zeros of Polynomial Functions 	<i>Unit: Polynomial division - Khan Academy</i> Zeros of polynomials intro - Khan Academy
	6 12/7 – 12/11	<ul style="list-style-type: none"> 3-7 Transformations of Polynomial Function Remediate Review 	<i>Unit: Transformations of functions - Khan Academy</i>
	7 12/14 – 12/18	<ul style="list-style-type: none"> Assess 4-1 Inverse Variation and the Reciprocal Function Winter Break 12/21 – 1/1 	Intro to direct and inverse variation - Khan Academy
	8 1/4 – 1/8	<ul style="list-style-type: none"> 4-2 Graphing Rational Functions 4-5 Solving Rational Equations 	<i>Unit: Rational functions - Khan Academy</i>
	9 1/11 – 1/15	<ul style="list-style-type: none"> Remediate Review Assess 5-1 Nth Roots, Radicals, and Rational Exponents 	<i>Unit: Rational exponents and radicals - Khan Academy</i>
	10 1/18 – 1/22*	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday 1/18 5-2 Properties of Exponents and Radicals *Second Quarter/First Semester Ends – Monday, January 25, 2021 	Rewriting quotient of powers - Khan Academy Rewriting mixed radical and exponential expressions - Khan Academy

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Quarter 3 Jan 26 – Apr 8	1 1/25* – 1/29	<ul style="list-style-type: none"> Teacher Planning Day 1/29 5-3 Graphing Radical Functions 5-4 Solving Radical Functions 	Graphs of square root functions - Khan Academy Intro to square-root equations and extraneous solutions - Khan Academy
	2 2/1 – 2/5	<ul style="list-style-type: none"> 5-5 Function Operations 5-6 Inverse Relations and Functions 	Intro to inverse functions - Khan Academy
	3 2/8 – 2/12	<ul style="list-style-type: none"> Remediate Review Assess 	
	4 2/15 – 2/19	<ul style="list-style-type: none"> Presidents Day Holiday 2/15 6-1 Key Features of Exponential Functions 	<i>Unit: Exponential models</i> - Khan Academy
	5 2/22 – 2/26	<ul style="list-style-type: none"> 6-2 Exponential Models 6-7 Geometric Sequences and Series 	Geometric sequences (advanced) - Khan Academy
	6 3/1 – 3/5	<ul style="list-style-type: none"> 6-3 Logarithms 6-4 Logarithm Functions 	<i>Unit: Logarithms</i> - Khan Academy Intro to logarithms - Khan Academy
	7 3/8 – 3/12	<ul style="list-style-type: none"> 6-5 Properties of Logarithms 6-6 Exponential and Logarithmic Equations 	Intro to logarithm properties part 1 - Khan Academy Intro to logarithm properties part 2 - Khan Academy
	8 3/15 – 3/19	<ul style="list-style-type: none"> Spring Break 3/17 – 3/19 	
	9 3/22 – 3/26	<ul style="list-style-type: none"> Remediate Review Assess 9-1 Probability Events 	<i>Unit: Probability</i> - Khan Academy
	10 3/29 – 4/2	<ul style="list-style-type: none"> 9-2 Conditional Probability Remediate Review Holiday 4/2 	Calculating conditional probability - Khan Academy
	11 4/5 – 4/9	<ul style="list-style-type: none"> Assess 8-1 Statistical Questions and Variables Teacher Planning Day 4/9 	Statistical questions - Khan Academy

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Quarter 4 Apr 12 – Jun 10	1 4/12 – 4/16	<ul style="list-style-type: none"> 8-2 Statistical Studies and Sampling Methods 8-3 Data Distributions 8-4 Normal Distribution 	Reasonable samples - Khan Academy <i>Unit: data distributions</i> - Khan Academy Normal distribution: Empirical rule - Khan Academy
	2 4/19 – 4/23	<ul style="list-style-type: none"> 8-5 Margin of Error 8-6 Testing Hypothesis From Experiments 	Margin of error part 1 - Khan Academy Margin of error part 2 - Khan Academy Simple hypothesis testing - Khan Academy
	3 4/26 – 4/30	<ul style="list-style-type: none"> Remediate Review Assess 7-1 Trigonometric Functions and Acute Angles 	Trig values of special angles - Khan Academy
	4 5/3 – 5/7	<ul style="list-style-type: none"> 7-2 Angles and the Unit Circle 7-3 Trigonometric Functions and Real Numbers 	Unit circle - Khan Academy Trig functions and right triangle ratios - Khan Academy
	5 5/10 – 5/14	<ul style="list-style-type: none"> 7-4 Graphing Sine and Cosine Functions 7-5: Graphing Other Trig Functions 	Graph of $y = \sin(x)$ - Khan Academy Intersection points of $y = \sin(x)$ and $y = \cos(x)$ - Khan Academy Graph of $y = \tan(x)$ - Khan Academy
	6 5/17 – 5/21	<ul style="list-style-type: none"> 7-6 Translating Trigonometric Functions Review Remediate Assess 	Transforming sinusoidal graphs - Khan Academy
	7 5/24 – 5/28	<ul style="list-style-type: none"> Standards Review 	
	8 5/31 – 6/4	<ul style="list-style-type: none"> Memorial Day Holiday 5/31 Standards Review 	
	9 6/7 – 6/10	<ul style="list-style-type: none"> Standards Review 	

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