

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 16 – Oct 15	1 8/16 – 8/20	<ul style="list-style-type: none"> 1-1 Key Features of Functions 	<i>Unit: functions</i> - Khan Academy
	2 8/23 – 8/27	<ul style="list-style-type: none"> 1-2 Transformations of Functions 	Identifying function transformations - Khan Academy Shifting functions - Khan Academy
	3 8/30 – 9/3	<ul style="list-style-type: none"> 1-3 Piecewise Defined Functions 1-4 Arithmetic Sequences and Series 	Introduction to piecewise functions - Khan Academy Graphs of nonlinear piecewise functions - Khan Academy Intro to arithmetic sequences - Khan Academy
	4 9/6 – 9/10	<ul style="list-style-type: none"> Labor Day Holiday – 9/6 1-5 Solving Equations and Inequalities by Graphing 1-6 Linear Systems 	Solving equations by graphing - Khan Academy
	5 9/13 – 9/17	<ul style="list-style-type: none"> Interims Issued – 9/14 Remediate Review Assessment 	
	6 9/20 – 9/24	<ul style="list-style-type: none"> 2-1 Vertex Form of a Quadratic Function 2-2 Standard Form of a Quadratic Function 	Vertex form - Khan Academy Graphing quadratics: standard form - Khan Academy
	7 9/27 – 10/1	<ul style="list-style-type: none"> 2-3 Factored Form of a Quadratic Function 2-4 Complex Numbers and Operations 	Graphing quadratics in factored form - Khan Academy Unit: Complex numbers - Khan Academy Intro to complex numbers - Khan Academy
	8 10/4 – 10/8	<ul style="list-style-type: none"> 2-5 Completing the Square 2-6 The Quadratic Formula and the Discriminant 	Completing the square - Khan Academy Quadratic formula - Khan Academy Using the quadratic formula - Khan Academy
	9 10/11 – 10/15	<ul style="list-style-type: none"> PSAT/NMSQT – 10/13 2-7 Geometric Properties of Parabolas 2-8 Linear-Quadratic Systems 	Intro to parabolas - Khan Academy

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Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/22	<ul style="list-style-type: none"> Teacher Planning Day – 10/18 Remediate Review 	
	2 10/25 – 10/29	<ul style="list-style-type: none"> Report Cards – 10/26 Assess 3-1 Graphing Polynomial Functions 	Unit: Polynomial graphs - Khan Academy Graphing polynomials (practice) - Khan Academy
	3 11/1 – 11/5	<ul style="list-style-type: none"> 3-2 Adding, Subtracting, and Multiplying Polynomials 3-3 Polynomial Identities 	Adding polynomials - Khan Academy Subtracting polynomials - Khan Academy Multiplying monomials by polynomials - Khan Academy Polynomial identities - Khan Academy
	4 11/8 – 11/12	<ul style="list-style-type: none"> Veterans Day 11/11 3-4 Dividing Polynomials 	Unit: Polynomial division - Khan Academy
	5 11/15 – 11/19	<ul style="list-style-type: none"> Interims Issued – 11/16 3-5 Zeros of Polynomial Functions 3-6 Theorems about Roots of Polynomial Equations 3-7 Transformations of Polynomial Functions 	Zeros of polynomials intro - Khan Academy Unit: Transformations of functions - Khan Academy
	6 11/22 – 11/26	<ul style="list-style-type: none"> Thanksgiving Holiday 11/24 – 11/26 Remediate Review Assess 	
	7 11/29 – 12/3	<ul style="list-style-type: none"> 4-1 Inverse Variation and the Reciprocal Function 4-2 Graphing Rational Functions 	Intro to direct and inverse variation - Khan Academy
	8 12/6 – 12/10	<ul style="list-style-type: none"> 4-3 Multiplying and Dividing Rational Expressions 4-4 Adding and Subtracting Rational Expressions 4-5 Solving Rational Equations 	
	9 12/13 – 12/17	<ul style="list-style-type: none"> Remediate Review Assess Standards Review 	
	10 12/20 – 12/24	<ul style="list-style-type: none"> Second Quarter/First Semester Ends – 12/21 Winter Break – 12/22 – 1/4 	

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		<ul style="list-style-type: none">• Midterm Assessment• Standards Review	
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Quarter 3 Jan 6 – Mar 10	1 1/5 – 1/7	<ul style="list-style-type: none"> Teacher Planning Day – 1/5 5-1 Nth Roots, Radicals, and Rational Exponents 	Unit: Rational exponents and radicals - Khan Academy
	2 1/10 – 1/14	<ul style="list-style-type: none"> 5-2 Properties of Exponents and Radicals 5-3 Graphing Radical Functions 	Rewriting quotient of powers - Khan Academy Rewriting mixed radical and exponential expressions - Khan Academy Graphs of square root functions - Khan Academy
	3 1/17 – 1/21	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday – 1/17 Report Cards – 1/19 5-4 Solving Radical Functions 	Intro to square-root equations and extraneous solutions - Khan Academy
	4 1/24 – 1/28	<ul style="list-style-type: none"> 5-5 Function Operations 5-6 Inverse Relations and Functions 	Intro to inverse functions - Khan Academy
	5 1/31 – 2/4	<ul style="list-style-type: none"> Remediate Review Assess 6-1 Key Features of Exponential Functions 	Unit: Exponential models - Khan Academy
	6 2/7 – 2/11	<ul style="list-style-type: none"> Teacher Inservice – 2/7 Interims Issued – 2/8 6-2 Exponential Models 	
	7 2/14 – 2/18	<ul style="list-style-type: none"> 6-7 Geometric Sequences and Series 6-3 Logarithms 6-4 Logarithm Functions 	Geometric sequences (advanced) - Khan Academy Unit: Logarithms - Khan Academy Intro to logarithms - Khan Academy
	8 2/21 – 2/25	<ul style="list-style-type: none"> Presidents Day Holiday – 2/21 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

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	9 2/28 – 3/4	<ul style="list-style-type: none"> • Remediate • Review 	<i>Unit: Probability - Khan Academy</i>
	10 3/7 – 3/11	<ul style="list-style-type: none"> • Teacher Planning Day – 3/11 • Assess • 9-1 Probability Events 	

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Quarter 4 Mar 14 – May 31	1 3/14 – 3/18	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	
	2 3/21 – 3/25	<ul style="list-style-type: none"> • 9-2 Conditional Probability • Remediate 	Calculating conditional probability - Khan Academy
	3 3/28 – 4/1	<ul style="list-style-type: none"> • Report Cards – 3/29 • Review • Assess • 8-1 Statistical Questions and Variables 	Statistical questions - Khan Academy
	4 4/4 – 4/8	<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 - Khan Academy</i> Normal distribution: Empirical rule - Khan Academy
	5 4/11 – 4/15	<ul style="list-style-type: none"> • Holiday – 4/15 • 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
	6 4/18 – 4/22	<ul style="list-style-type: none"> • Holiday – 4/18 • Remediate • Review 	
	7 4/25 – 4/29	<ul style="list-style-type: none"> • Interims Issued – 4/26 • Assess • 7-1 Trigonometric Functions and Acute Angles 	Trig values of special angles - Khan Academy
	8 5/2 – 5/6	<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

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	9 5/9 – 5/13	<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
	10 5/16 – 5/20	<ul style="list-style-type: none"> • 7-6 Translating Trigonometric Functions • Review • Remediate • Assess 	Transforming sinusoidal graphs - Khan Academy
	11 5/23 – 5/27	<ul style="list-style-type: none"> • Standards Review 	
	12 5/30 – 6/2	<ul style="list-style-type: none"> • Memorial Day Holiday – 5/30 • Standards Review 	

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