

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 10 – Oct 9	1 8/10 – 8/14	<ul style="list-style-type: none"> 1-1 Key Features of Functions 1-2 Transformations of Functions 	Transformations of Functions – Khan Academy
	2 8/17 – 8/21	<ul style="list-style-type: none"> 1-3 Piecewise Defined Functions Assessment 1-4 Arithmetic Sequences and Series 	Arithmetic Sequences - Khan Academy Arithmetic Series – Khan Academy
	3 8/24 – 8/28	<ul style="list-style-type: none"> 1-4 Arithmetic Sequences and Series Review Assessment 	Arithmetic Sequences - Khan Academy Arithmetic Series – Khan Academy
	4 8/31 – 9/4	<ul style="list-style-type: none"> 1-5 Solving Equations and Inequalities by Graphing 1-6 Linear Systems 	
	5 9/7 – 9/11	<ul style="list-style-type: none"> Labor Day Holiday – 9/7 Mathematical Modeling in 3 Acts: Current Events enVision STEM Project Assessment 2-1 Vertex Form of a Quadratic Function 	
	6 9/14 – 9/18	<ul style="list-style-type: none"> 2-1 Vertex Form of a Quadratic Function 2-2 Standard Form of a Quadratic Function 2-3 Factored Form of a Quadratic Function 	
	7 9/21 – 9/25	<ul style="list-style-type: none"> 2-3 Factored Form of a Quadratic Function Assessment 2-4 Complex Numbers and Operations 	
	8 9/28 – 10/2	<ul style="list-style-type: none"> 2-4 Complex Numbers and Operations Mathematical Modeling in 3 Acts: Swift Kick 2-5 Completing the Square 2-6 The Quadratic Formula and the Discriminant 	
	9 10/5 – 10/9	<ul style="list-style-type: none"> 2-6 The Quadratic Formula and the Discriminant Assessment 2-7 Geometric Properties of Parabolas 	

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Quarter 2 Oct 12 – Dec 18	1 10/12 – 10/16	<ul style="list-style-type: none"> Teacher Planning Day 10/12 PSAT 10/142-7 Geometric Properties of Parabolas 2.8 Linear-Quadratic Systems Assessment 	
	2 10/19 – 10/23	<ul style="list-style-type: none"> 3-1 Graphing Polynomial Functions 3-2 Adding, Subtracting, and Multiplying Polynomials Assessment 	Graphing Polynomials – Khan Academy
	3 10/26 – 10/30	<ul style="list-style-type: none"> 3-3 Polynomial Identities 3-4 Dividing Polynomials 	Polynomial Identities – Khan Academy
	4 11/2 – 11/6	<ul style="list-style-type: none"> 3-5 Zeros of Polynomial Functions Mathematical Modeling in 3 Acts: What are the Rules? 3-7 Transformations of Polynomial Functions 	Zeros of Polynomials – Khan Academy
	5 11/9 – 11/13	<ul style="list-style-type: none"> Veterans Day 11/11 Assessment 4-1 Inverse Variation and the Reciprocal Function 	
	6 11/16 – 11/20	<ul style="list-style-type: none"> 4-2 Graphing Rational Functions Assessment Factoring Review 	
	7 11/23 – 11/24	<ul style="list-style-type: none"> Factoring Review Thanksgiving Holiday 11/25 - 11/27 	
	8 11/30 – 12/4	<ul style="list-style-type: none"> 4-5 Solving Rational Equations Assessment 	
	9 12/7 – 12/11	<ul style="list-style-type: none"> 5-1 Nth Roots, Radicals, and Rational Exponents Review for Midterm 	
	10 12/14 – 12/18	<ul style="list-style-type: none"> Review for Midterm Midterm Assessment 	

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Quarter 3 Jan 5 – Mar 11	Week	Major Concepts / Topics	Possible Resources
	1 1/5– 1/8	<ul style="list-style-type: none"> 5-2 Properties of Exponents and Radicals 5-3 Graphing Radical Functions Assessment 	Graphs of Radical Functions – Khan Academy
	2 1/11 – 1/15	<ul style="list-style-type: none"> 5-4 Solving Radical Functions Mathematical Modeling in 3 Acts: The Snack Shack Assessment 	Solving Square Root Equations – Khan Academy Solving Cube Root Equations – Khan Academy
	3 1/18 – 1/22	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday 1/18 5-5 Function Operations 5-6 Inverse Relations and Functions 	Introduction to Inverse Relationships and Functions – Khan Academy
	4 1/25 – 1/29	<ul style="list-style-type: none"> Teacher Inservice 1/29 5-6 Inverse Relations and Functions enVision STEM Project Assessment 	Introduction to Inverse Relationships and Functions – Khan Academy
	5 2/1 – 2/5	<ul style="list-style-type: none"> 6-1 Key Features of Exponential Functions 6-2 Exponential Models Assessment 6-7 Geometric Sequences and Series 	Exponential functions – Khan Academy Exponential Models – Khan Academy Geometric Sequence – Khan Academy Geometric Series – Khan Academy
	6 2/8 – 2/12	<ul style="list-style-type: none"> 6-7 Geometric Sequences and Series Assessment 6-3 Logarithms 	Geometric Sequence – Khan Academy Geometric Series – Khan Academy Introduction to Logarithms – Khan Academy
	7 2/15 – 2/19	<ul style="list-style-type: none"> Presidents Day Holiday 2/15 6-3 Logarithms 6-4 Logarithm Functions Assessment 	Introduction to Logarithms – Khan Academy Logarithmic Functions – Khan Academy
	8 2/22 – 2/26	<ul style="list-style-type: none"> 6-5 Properties of Logarithms 6-6 Exponential and Logarithmic Equations 	Graphs of Radical Functions – Khan Academy
	9 3/1 – 3/5	<ul style="list-style-type: none"> Assessment 9-1 Probability Events 9-2 Conditional Probability 	

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	10 3/8 – 3/11	<ul style="list-style-type: none">• 9-2 Conditional Probability• Assessment	
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Quarter 4 Mar 15 – May 25	Week	Major Concepts / Topics	Possible Resources
	1 3/15 – 3/19	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	
	2 3/22 – 3/26	<ul style="list-style-type: none"> • 8-1 Statistical Questions and Variables • 8-2 Statistical Studies and Sampling Methods • 8-3 Data Distributions • 8-4 Normal Distribution 	
	3 3/29 – 4/2	<ul style="list-style-type: none"> • 8-4 Normal Distribution • Assessment • 8-5 Margin of Error • 8-6 Testing Hypothesis From Experiments • Holiday 4/2 	
	4 4/5 – 4/9	<ul style="list-style-type: none"> • Mathematical Modeling in 3 Acts: Mark and Recapture • enVision STEM Project • Assessment 	
	5 4/12 – 4/16	<ul style="list-style-type: none"> • 7-1 Trigonometric Functions and Acute Angles • 7-2 Angles and the Unit Circle 	Angles and Unit Circle – Khan Academy
	6 4/19 – 4/23	<ul style="list-style-type: none"> • 7-3 Trigonometric Functions and Real Numbers • Assessment • 7-4 Graphing Sine and Cosine Functions 	Trigonometric Functions – Khan Academy Graphing Sine and Cosine Functions – Khan Academy
	7 4/26 – 4/30	<ul style="list-style-type: none"> • 7-4 Graphing Sine and Cosine Functions • Mathematical Modeling in 3 Acts: What Note was That? • 7-6 Translating Trigonometric Functions 	Translating Trigonometric Functions – Khan Academy
	8 5/3 – 5/7	<ul style="list-style-type: none"> • Remediation 	
	9 5/10 – 5/14	<ul style="list-style-type: none"> • Course Standards Review 	

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	10 5/17 – 5/21	<ul style="list-style-type: none">• Course Standards Review• Final Exams	
	11 5/24 – 5/25	<ul style="list-style-type: none">• Final Exams	

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