

Please Note:

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Publisher Resource:

[Math Nation](#)

Other Course Supplemental Resources:

[Khan Academy - Geometry](#)

[Khan Academy - Algebra 2](#)

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 16 – Oct 15	1 8/16 – 8/20	Unit 1: Linear Functions, Equations, & Inequalities <ul style="list-style-type: none"> Linear Equations and Inequalities in Two Variables Arithmetic Sequences 	Slope Khan Academy Slope-Intercept Form Khan Academy Standard Form Khan Academy Sequences Khan Academy Arithmetic Sequences Khan Academy
	2 8/23 – 8/27	<ul style="list-style-type: none"> Parallel and Perpendicular Lines – Part 1 Parallel and Perpendicular Lines – Part 2 Quadrilaterals in Coordinate Geometry – Part 1 	Point-Slope Form Khan Academy Parallel & Perpendicular Lines Khan Academy Graphing Linear Inequalities Khan Academy
	3 8/30 – 9/3	<ul style="list-style-type: none"> Quadrilaterals in Coordinate Geometry – Part 2 Review Assessment 	Linear Equations Khan Academy Writing Equations Given 2 Points Khan Academy
	4 9/6 – 9/10	<ul style="list-style-type: none"> Labor Day Holiday – 9/6 Unit 2: Piecewise-Defined Functions <ul style="list-style-type: none"> Introduction to Piecewise-Defined Functions – Part 1 Introduction to Piecewise-Defined Functions – Part 2 	Piecewise Functions Khan Academy
	5 9/13 – 9/17	<ul style="list-style-type: none"> Interims Issued – 9/14 Absolute Value Functions Review Assessment 	Absolute Value Functions Khan Academy
	6 9/20 – 9/24	Unit 3: Quadratic Equations and Functions – Part 1 <ul style="list-style-type: none"> Solving Quadratic Equations by Factoring Solving Quadratic Equations by Factoring Special Cases – Part 1 	Factoring Quadratics Khan Academy
	7 9/27 – 10/1	<ul style="list-style-type: none"> Solving Quadratic Equations by Factoring Special Cases – Part 2 Complex Numbers – Part 1 	Complex Numbers Khan Academy Operations with Complex Numbers Khan Academy
	8 10/4 – 10/8	<ul style="list-style-type: none"> Complex Numbers – Part 2 Solving Quadratic Equations by Completing the Square 	Completing the Square Khan Academy
	9 10/11 – 10/15	<ul style="list-style-type: none"> PSAT/NMSQT – 10/13 Solving Quadratic Equations Using the Quadratic Formula – Part 1 Solving Quadratic Equations Using the Quadratic Formula – Part 2 	Quadratic Formula 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 • Review • Assessment 	
	2 10/25 – 10/29	<ul style="list-style-type: none"> • Report Cards – 10/26 <p>Unit 4: Quadratic Equations and Functions – Part 2</p> <ul style="list-style-type: none"> • Graphing Quadratic Functions in Standard Form • Graphing Quadratic Functions in Vertex Form – Part 1 	Parabolas in Standard Form Khan Academy Parabolas in Vertex Form Khan Academy
	3 11/1 – 11/5	<ul style="list-style-type: none"> • Graphing Quadratic Functions in Vertex Form – Part 2 • Writing Quadratic Equations in Vertex Form from a Graph 	
	4 11/8 – 11/12	<ul style="list-style-type: none"> • Veterans Day 11/11 • Converting Quadratic Equations • Writing Quadratic Equations When Given a Focus and Directrix 	Completing the Square Khan Academy Focus and Directrix Khan Academy
	5 11/15 – 11/19	<ul style="list-style-type: none"> • Interims Issued – 11/16 • Circles in the Coordinate Plane: Standard Form • Circles in the Coordinate Plane: General Form 	Circles Khan Academy
	6 11/22 – 11/26	<ul style="list-style-type: none"> • Thanksgiving Holiday 11/24 – 11/26 • Systems of Equations with Quadratics – Part 1 • Systems of Equations with Quadratics – Part 2 	Solving Non-Linear Systems Khan Academy
	7 11/29 – 12/3	<ul style="list-style-type: none"> • Systems of Equations with Other Quadratic Equations • Review • Assessment 	
	8 12/6 – 12/10	<p>Unit 5: Polynomial Functions</p> <ul style="list-style-type: none"> • Polynomial Identities – Part 1 • Polynomial Identities – Part 2 • Understanding Zeros of Polynomials • Factoring Polynomials 	Long Division Khan Academy Synthetic Division Khan Academy Factoring Sum of Cubes Khan Academy Factoring Difference of Cubes Khan Academy
	9 12/13 – 12/17	<ul style="list-style-type: none"> • Sketching Graphs of Polynomials • Review • Assessment • Standards Review 	Graphs of Polynomials Khan Academy

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	<p style="text-align: center;">10 12/20 – 12/24</p>	<ul style="list-style-type: none"> • Second Quarter/First Semester Ends – 12/21 • Winter Break – 12/22 –1/4 • Standards Review • Midterm Exams 	
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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 Unit 6: Functions <ul style="list-style-type: none"> Using Division to Rewrite Rational Expressions Using Synthetic Division to Rewrite Rational Expressions Assessment 	Long Division Khan Academy Synthetic Division Khan Academy Graphing Rational Functions Khan Academy
	2 1/10 – 1/14	Unit 7: Rational Expressions and Equations <ul style="list-style-type: none"> The Remainder Theorem Graphing Rational Functions 	
	3 1/17 – 1/21	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday – 1/17 Report Cards – 1/19 Review Assessment Unit 8: Expressions and Equations with Radicals and Rational Exponents <ul style="list-style-type: none"> Expressions with Radicals and Rational Exponents – Part 1 	Intro to Rational Exponents Khan Academy
	4 1/24 – 1/28	<ul style="list-style-type: none"> Expressions with Radicals and Rational Exponents – Part 2 Graphing Square Root and Cube Root Functions – Part 1 	Square Root Khan Academy
	5 1/31 – 2/4	<ul style="list-style-type: none"> Graphing Square Root and Cube Root Functions – Part 2 Review Assessment 	
	6 2/7 – 2/11	<ul style="list-style-type: none"> Teacher Inservice – 2/7 Interims Issued – 2/8 Unit 9: Exponential & Logarithmic Functions <ul style="list-style-type: none"> Real-World Exponential Growth and Decay – Part 1 Real-World Exponential Growth and Decay – Part 2 	Graphs of exponential growth Khan Academy
	7 2/14 – 2/18	<ul style="list-style-type: none"> Interpreting Exponential Equations Common and Natural Logarithms Comparing Functions 	Logarithmic Functions Khan Academy Properties of Logs Khan Academy Exponential/Log Equations Khan Academy Natural Base, e Khan Academy
	8 2/21 – 2/25	<ul style="list-style-type: none"> Presidents Day Holiday – 2/21 Comparing Linear, Quadratic, and Exponential Functions – Part 1 	

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		<ul style="list-style-type: none"> Comparing Linear, Quadratic, and Exponential Functions – Part 2 	
	9 2/28 – 3/4	<ul style="list-style-type: none"> Review Assessment 	
	10 3/7 – 3/11	<ul style="list-style-type: none"> Teacher Planning Day – 3/11 Unit 10: Sequences and Series <ul style="list-style-type: none"> Geometric Sequences Comparing Arithmetic and Geometric Sequences 	

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Quarter 4 Mar 14 – June 2	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"> • Introduction to Geometric Series – Part 1 • Introduction to Geometric Series – Part 2 • Sum of Geometric Series 	
	3 3/28 – 4/1	<ul style="list-style-type: none"> • Report Cards – 3/29 • Calculating Loan Payments • Review • Assessment 	
	4 4/4 – 4/8	Unit 11: Probability <ul style="list-style-type: none"> • Probability and the Addition Rule – Part 1 • Probability and the Addition Rule – Part 2 	
	5 4/11 – 4/15	<ul style="list-style-type: none"> • Holiday – 4/15 • Probability and Independence • Conditional Probability • Two-Way Frequency Tables – Part 1 • Two-Way Frequency Tables – Part 2 	Independent/Dependent Events Khan Academy Conditional Probability Khan Academy Two-way Tables Khan Academy
	6 4/18 – 4/22	<ul style="list-style-type: none"> • Holiday – 4/18 • Two-Way Frequency Tables – Part 1 • Two-Way Frequency Tables – Part 2 	
	7 4/25 – 4/29	<ul style="list-style-type: none"> • Interims Issued – 4/26 • Empirical and Theoretical Probability • Review • Assessment 	
	8 5/2 – 5/6	Unit 12: Statistics and Parameters <ul style="list-style-type: none"> • Statistics and Parameters • Statistical Studies – Part 1 • Statistical Studies – Part 2 	Data Gathering Khan Academy

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		<ul style="list-style-type: none"> The Normal Distribution – Part 1 and 2 	
	9 5/9 – 5/13	<ul style="list-style-type: none"> The Normal Distribution – Part 3 Estimating Means and Proportions Margin of Error When Estimating Population Means Comparing Treatments – Part 1 and 2 Interpreting Data 	Margin of Error Khan Academy
	10 5/16 – 5/20	<ul style="list-style-type: none"> Review Assessment 	
	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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