

Please Note:

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Publisher Resource:

[Math Nation](#)

Other Course Supplemental Resources:

[Khan Academy - Algebra 1](#)

[Khan Academy - Geometry](#)

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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"> • Unit 1 – Expressions, Equations and Inequalities • 1-1 Using Expressions to Represent Real-World Situations • 1-2 Understanding Polynomial Expressions • 2-1 Equations: True or False? 	
	2 8/17 – 8/21	<ul style="list-style-type: none"> • 2-2 Identifying Properties When Solving Equations • 2-3 Solving Equations • 2-5 Solving Inequalities - Part 1 • 2-6 Solving Inequalities - Part 2 	Solving Equations – Khan Academy Solving Inequalities – Khan Academy
	3 8/24 – 8/28	<ul style="list-style-type: none"> • 2-7 Solving Compound Inequalities • 2-8 Rearranging Formulas • 2-9 Solution Sets to Equations with Two Variables • Activity, Review, Unit 1 Test 	Compound Inequalities – Khan Academy
	4 8/31 – 9/4	<ul style="list-style-type: none"> • Unit 2 - Introduction to Functions • 3-1 Input and Output Values • 3-2 Representing, Naming, and Evaluating Functions • 3-3 Adding and Subtracting Functions • 3-4 Multiplying Functions 	Evaluating Expressions with Two Variables - Khan Academy Functions – Khan Academy Representing Functions - Khan Academy
	5 9/7 – 9/11	<ul style="list-style-type: none"> • Labor Day Holiday – 9/7 • 3-5 Closure Property • 3-7 Key Features of Graphs of Functions – Part 1 • 3-8 Key Features of Graphs of Functions – Part 2 • 3-9 Average Rate of Change Over an Interval • Activity 	Average Rate of Change - Khan Academy
	6 9/14 – 9/18	<ul style="list-style-type: none"> • Activity, Review, Unit 2 Test • Unit 3 - Introduction to Functions • 4-2 Rate of Change of Linear Functions • 4-3 Interpreting Rate of Change and y-Intercept in a Real-World Context - Part 1 	Introduction to Functions - Khan Academy
	7 9/21 – 9/25	<ul style="list-style-type: none"> • 4-4 Interpreting Rate of Change and y-Intercept in a Real-World Context - Part 2 • 4-5 Introduction to Systems of Equations 	Rate of Change - Khan Academy Systems of Equations - Khan Academy

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		<ul style="list-style-type: none"> • 4-6 Finding Solution Sets to Systems of Equations Using Substitution and Graphing • 4-7 Using Equivalent Systems of Equations • 4-8 Finding Solution Sets to Systems of Equations Using Elimination 	
	8 9/28 – 10/2	<ul style="list-style-type: none"> • 4-9 Solution Sets to Inequalities with Two Variables • 4-10 Finding Solution Sets to Systems of Linear Inequalities • Activity, Review • Unit 3 Test 	Solutions to Two Variable Inequalities - Khan Academy
	9 10/5 – 10/9	<ul style="list-style-type: none"> • Unit 4 – Quadratic Equations and Functions – Part 1 • 5-1 Real-World Examples of Quadratic Functions • 5-3 Solving Quadratic Equations by Factoring 	Solving Quadratic Equations by Factoring – Khan Academy

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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 10/14 • 5-7 Solving Quadratic Equations by Completing the Square • 5-9 Solving Quadratic Equations Using the Quadratic Formula 	
	2 10/19 – 10/23	<ul style="list-style-type: none"> • 5-10 Quadratic Functions in Action • Activity, • Review, • Unit 4 Test 	
	3 10/26 – 10/30	<ul style="list-style-type: none"> • Unit 5 – Quadratic Equations and Functions – Part 2 • 6-1 Observations from a Graph of a Quadratic Function • 6-2 Nature of the Zeros of Quadratic Equations and Functions 	Quadratics - Khan Academy
	4 11/2 – 11/6	<ul style="list-style-type: none"> • 6-4 Graphing Quadratic Functions Using the Vertex and Intercepts • 6-6 Graphing Quadratic Functions Using Vertex Form - Part 2 • Activity, • Review, Unit 5 Test 	
	5 11/9 – 11/13	<ul style="list-style-type: none"> • Veterans Day 11/11 • Unit 6 - Exponential Functions • 7-2 Exponential Functions • 7-3 Graphs of Exponential Functions - Part 1 	Exponential Functions - Khan Academy Graphs of Exponential Functions - Khan Academy
	6 11/16 – 11/20	<ul style="list-style-type: none"> • 7-5 Growth and Decay Rates of Exponential Functions • Activity, Review, • Unit 6 Test • Unit 7 - Summary of Functions • 8-1 Comparing Linear, Quadratic, and Exponential Functions - Part 1 • 8-2 Comparing Linear, Quadratic, and Exponential Functions - Part 2 	Summary of Functions - Khan Academy
	7 11/23 – 11/24	<ul style="list-style-type: none"> • 8-5 Modeling with Functions • Activity, • 8-10 Finding Zeros of Polynomial Functions of Higher Degree • Thanksgiving Holiday 11/25 - 11/27 	Zeros in Polynomials - Khan Academy

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8 11/30 – 12/4	<ul style="list-style-type: none"> • 8-12 Graphing Polynomial Functions of Higher Degree • Activity, • Review, Unit 7 Test • Unit 9 - AN Boot Camp and Radical and Rational Equations • Boot Camp/Test Yourself 	
9 12/7 – 12/11	<ul style="list-style-type: none"> • Boot Camp/Test Yourself 	
10 12/14 – 12/18	<ul style="list-style-type: none"> • Boot Camp/Test Yourself • Midterm Exams 	

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Quarter 3 Jan 5 – Mar 11	1 1/5– 1/8	<ul style="list-style-type: none"> • Unit 8 - One-Variable Statistics • 9-1 Dot Plots • 9-2 Histograms • 9-3 Box Plots - Part 1 	Dot Plots and Histograms - Khan Academy
	2 1/11 – 1/15	<ul style="list-style-type: none"> • 9-3 Box Plots - Part 1 • 9-4 Box Plots - Part 2 • 9-5 Measures of Center and Shapes of Distributions 	
	3 1/18 – 1/22	<ul style="list-style-type: none"> • Martin Luther King Jr. Holiday 1/18 • 9-6 Measures of Spread - Part 1 • 9-7 Measures of Spread - Part 2 	
	4 1/25 – 1/29	<ul style="list-style-type: none"> • 9-8 The Empirical Rule • 9-9 Outliers in Data Sets • Activity, • Teacher Inservice 1/29 	The Emperical Rule - Khan Academy
	5 2/1 – 2/5	<ul style="list-style-type: none"> • Activity, Review, Unit 8 Test • Unit 9 - AN Boot Camp and Radical and Rational Equations • Boot Camp/Test Yourself 	
	6 2/8 – 2/12	<ul style="list-style-type: none"> • Boot Camp/Test Yourself 	
	7 2/15 – 2/19	<ul style="list-style-type: none"> • Presidents Day Holiday 2/15 • Boot Camp/Test Yourself • 	
	8 2/22 – 2/26	<ul style="list-style-type: none"> • EOC – Algebra 1 Testing Window Opens 2/22 • Unit G1 - Introduction to Geometry • 1-1 Basics of Geometry – Part 1 • 1-2 Basics of Geometry – Part 2 • Activity • 1-11 Basic Constructions – Part 1 • 1-12 Basic Constructions – Part 2 • 1-13 Constructing Perpendicular Bisectors 	Basics of Geometry - Khan Academy

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		<ul style="list-style-type: none"> Activity, Review, Unit G1 Test 	
	9 3/1 – 3/5	<ul style="list-style-type: none"> Unit G2 – Angles 2-1 Introductions to Angles – part 1 2-2 Introductions to Angles – part 2 Activity 2-10 Copying Angles and Constructing Angle Bisectors Activity, Review, Unit G2 Test 	Introduction to angles - Khan Academy Angle Bisectors - Khan Academy
	10 3/8 – 3/11	<ul style="list-style-type: none"> Unit G3 – Rigid Transformations and Symmetry 3-1 Introduction to Transformations 3-1 Examining and Using Transformations Activity 3-4 Examining and Using Reflections 	Transformations Introduction - Khan Academy Reflections - 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	<ul style="list-style-type: none"> • 3-4 Examining and Using Rotations • Activity • 3-10 Symmetries of Regular Polygons • Activity, Review, Unit G3 Test 	Rotations - Khan Academy Symmetries of Regular Polygons - Khan Academy
	3 3/29 – 4/2	<ul style="list-style-type: none"> • Unit G4 - Non-Rigid Transformations, Congruence, and Similarity • 4-6 Congruence of Polygons • 4-7 Similarity of Polygons • Activity • 5-4 Triangle Congruence – SSS and SAS – Part 1 • 5-6 Triangle Congruence – ASA and AAS – Part 1 • Activity • 5-8 Base Angle of Isosceles Triangles • Holiday 4/2 	Congruence of Polygons - Khan Academy Triangle Congruence - Khan Academy Base Angles of Isosceles Triangles - Khan Academy
	4 4/5 – 4/9	<ul style="list-style-type: none"> • 5-10 Using Triangle Congruency to Find Missing Variables • Activity, Review, • Unit G4 Test • Unit G5 – Triangles • 6-1 Triangle Similarity – Part 1 	Triangle Similarity - Khan Academy
	5 4/12 – 4/16	<ul style="list-style-type: none"> • 6-2 Triangle Similarity – Part 2 • Activity • Unit G6 - Right Triangles and Trigonometry • 7-1 The Pythagorean Theorem 	Pythagorean Theorem - Khan Academy
	6 4/19 – 4/23	<ul style="list-style-type: none"> • 7-6 Right Triangles Similarity – Part 1 • 7-7 Right Triangles Similarity – Part 2 • Activity, Review, Unit G6 Test • Unit G7 – Circles 	Triangles and Similarity - Khan Academy

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		<ul style="list-style-type: none"> • 10-4 Constructing Inscribed Polygons in a Circle • 10-9 Constructing Inscribed and Circumscribed Circles of Triangles • Activity 	Constructing Inscribed Shapes - Khan Academy
	7 4/26 – 4/30	<ul style="list-style-type: none"> • Unit G8 - Three Dimensional Geometry • 11-4 Volume of Prisms and Cylinders • 11-6 Volume of Pyramids and Cones • 11-8 Spheres • Activity 	Volume of Cylinders and Cones - Khan Academy Volume of Prisms - Khan Academy Spheres - Khan Academy
	8 5/3 – 5/7	<ul style="list-style-type: none"> • 11-10 Geometric Design • 11-11 Volume in Real World Contexts • Activity • 11-12 Density 	Density - Khan Academy
	9 5/10 – 5/14	<ul style="list-style-type: none"> • 11-14 Cross Sections and Plane Rotations • Activity, Review, • Unit G8 Test 	Cross Section and Plane Rotations - Khan Academy
	10 5/17 – 5/21	<ul style="list-style-type: none"> • Standards Review • Final Exams 	
	11 5/24 – 5/25	<ul style="list-style-type: none"> • Final exams 	

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