

Please Note:

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Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

Publisher Resource:

[Precalculus with Limits](#) (student logins will be provided)

[Videos by Chapter and Section](#)

Other Course Supplemental Resources:

[LarsonPrecalculus.com](#) (videos, pre- and post- tests by chapter)

[Khan Academy Pre-Calculus](#)

[Free Pre-Calculus Math Videos](#)

[IXL Pre-Calculus](#)

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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"> • Section 4.1 – Radian and Degree Measure • Section 4.1 – Arc Length, Terminal and Coterminal angles • Section 4.3 – Right Triangle Trigonometry • 	
	2 8/23 – 8/27	<ul style="list-style-type: none"> • Section 4.2 – Unit Circle • Section 4.3 – Identities • Section 4.4 – Trigonometric Functions of Any Angle • 	
	3 8/30 – 9/3	<ul style="list-style-type: none"> • Section 4.4 – Trigonometric Functions of Any Angle • Remediation/Review • Assessment on 4.1 - 4.4 • Section 4.5 – Graphs of Sine and Cosine Functions • 	
	4 9/6 – 9/10	<ul style="list-style-type: none"> • Labor Day Holiday – 9/6 • Section 4.5 – Graphs of Sine and Cosine Functions • Section 4.6 – Graphs of Other Trigonometric Functions • • 	
	5 9/13 – 9/17	<ul style="list-style-type: none"> • Interims Issued – 9/14 • Section 4.7 – Inverse Trigonometric Functions • Section 4.8 – Applications and Models • 	
	6 9/20 – 9/24	<ul style="list-style-type: none"> • Section 4.8 – Applications and Models • Remediation/Review • 	
	7 9/27 – 10/1	<ul style="list-style-type: none"> • Assessment • Section 5.1 – Using Fundamental Identities • Section 5.2 – Verifying Trigonometric Identities • 	

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	<p>8 10/4 – 10/8</p>	<ul style="list-style-type: none"> • Section 5.2 – Verifying Trigonometric Identities • Section 5.3 – Solving Trigonometric Equations • 	
	<p>9 10/11 – 10/15</p>	<ul style="list-style-type: none"> • PSAT/NMSQT – 10/13 • Section 5.3 – Solving Trigonometric Equations • Assessment • Section 5.4 – Sum and Difference Formulas • 	

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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 Section 5.5 – Multiple Angle Formulas: Double-Angle and Half-Angle 	
	2 10/25 – 10/29	<ul style="list-style-type: none"> Report Cards – 10/26 Section 5.5 – Multiple Angle Formulas: Double-Angle and Half-Angle Remediation/Review 	
	3 11/1 – 11/5	<ul style="list-style-type: none"> Assessment Section 6.1 – Law of Sines Section 6.2 – Law of Cosines 	
	4 11/8 – 11/12	<ul style="list-style-type: none"> Veterans Day 11/11 Section 6.2 – Law of Cosines Assessment 	
	5 11/15 – 11/19	<ul style="list-style-type: none"> Interims Issued – 11/16 Section 6.3 – Vectors in the Plane Section 6.4 – Vectors and Dot Product 	
	6 11/22 – 11/26	<ul style="list-style-type: none"> Thanksgiving Holiday 11/24 – 11/26 Section 6.4 – Vectors and Dot Product 	
	7 11/29 – 12/3	<ul style="list-style-type: none"> Assessment Section 6.5 - Trigonometric Form of a Complex Number 	
	8 12/6 – 12/10	<ul style="list-style-type: none"> Remediation/Review Assessment Section 8.4 – The Binomial Theorem Remediation/Review Assessment 	
	9 12/13 – 12/17	<ul style="list-style-type: none"> 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">Standards Review	
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	Week	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 6 – Mar 10	1 1/5 – 1/7	<ul style="list-style-type: none"> Teacher Planning Day – 1/5 Section 1.2 – Functions Section 1.3 – Graphs of Functions Assessment 	<i>Unit: Functions - Khan Academy</i>
	2 1/10 – 1/14	<ul style="list-style-type: none"> Section 1.4 – Shifting, Reflecting, and Stretching Graphs Section 1.5 – Combinations of Functions Section 1.6 – Inverse Functions 	Identifying function transformations - Khan Academy Combining functions unit - Khan Academy Inverse functions unit - Khan Academy
	3 1/17 – 1/21	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday – 1/17 Report Cards – 1/19 Remediation/Review Assessment Section 2.1 – Quadratics 	<i>Unit: Polynomials - Khan Academy</i>
	4 1/24 – 1/28	<ul style="list-style-type: none"> Section 2.2 - Polynomial Functions of Higher Degree Section 2.3 – Real Zeros of Polynomial Functions 	Finding zeros of polynomials part 1 - Khan Academy Finding zeros of polynomials part 2 - Khan Academy
	5 1/31 – 2/4	<ul style="list-style-type: none"> Section 2.4 – Complex Numbers Section 2.5 – The Fundamental Theorem of Algebra Section 2.6 – Rational Functions and Asymptotes 	Unit: Complex numbers - Khan Academy Fundamental theorem of Algebra - Khan Academy Quadratics and the fundamental theorem of Algebra - Khan Academy
	6 2/7 – 2/11	<ul style="list-style-type: none"> Teacher Inservice – 2/7 Interims Issued – 2/8 Section 2.7 – Slant Asymptotes & Graphs of Rational Functions Remediation/Review Assessment Section 11.1 – Introduction to Limits 	Graphing rational functions according to asymptotes - Khan Academy <i>Graphs of rational functions unit - Khan Academy</i> Limits intro - Khan Academy <i>Estimating limit values from graphs unit - Khan Academy</i>

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	7 2/14 – 2/18	<ul style="list-style-type: none"> Section 11.2 – Techniques for Evaluating Limits Section 11.3 – The Tangent Line Problem 	<i>Determining limits using algebraic properties unit - Khan Academy</i> <i>The derivative and tangent line equations - Khan Academy</i>
	8 2/21 – 2/25	<ul style="list-style-type: none"> Presidents Day Holiday – 2/21 Section 11.4 – Limits at Infinity and Limits of Sequences 	<i>Introduction to limits at infinity - Khan Academy</i>
	9 2/28 – 3/4	<ul style="list-style-type: none"> Remediation/Review Assessment Section 9.1 - Circles Assessment 	<i>The features of a circle unit - Khan Academy</i> <i>Standard equation of a circle unit - Khan Academy</i> <i>Expanded equation of a circle unit - Khan Academy</i>
	10 3/7 – 3/11	<ul style="list-style-type: none"> Teacher Planning Day – 3/11 Section 9.1 – Parabolas Section 9.2 – Ellipses 	<i>Focus and directrix of a parabola unit - Khan Academy</i> <i>Foci of an ellipse unit - Khan Academy</i> <i>Center and radii of an ellipse unit - Khan Academy</i>

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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"> • Section 9.3 – Hyperbolas • Section 9.5 – Polar Coordinates 	<i>Introduction to hyperbolas unit - Khan Academy</i> <i>Foci of a hyperbola unit - Khan Academy</i> Polar coordinates - Khan Academy
	3 3/28 – 4/1	<ul style="list-style-type: none"> • Report Cards – 3/29 • Remediation/Review • Assessment • Section 3.1 – Exponential Functions and Their Graphs • Section 3.2 – Logarithmic Functions and Their Graphs 	<i>Unit: Exponential models - Khan Academy</i> <i>Unit: Logarithms - Khan Academy</i> Relationship between exponentials and logarithms - Khan Academy
	4 4/4 – 4/8	<ul style="list-style-type: none"> • Section 3.3 – Properties of Logarithms (change of base only) • Section 3.3 – Properties of Logarithms (complete) • Assessment 	<i>Properties of logarithms unit - Khan Academy</i> <i>Change of base formula unit - Khan Academy</i>
	5 4/11 – 4/15	<ul style="list-style-type: none"> • Holiday – 4/15 • Section 3.4 – Solving Exponential and Logarithmic Equations • Section 3.5 – Exponential and Logarithmic Models 	<i>Solving exponential equations with logarithms unit - Khan Academy</i> <i>Solving exponential models unit - Khan Academy</i>
	6 4/18 – 4/22	<ul style="list-style-type: none"> • Holiday – 4/18 • Remediation/Review • Assessment 	
	7 4/25 – 4/29	<ul style="list-style-type: none"> • Interims Issued – 4/26 • Map 10/Standards Review 	

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	8 5/2 – 5/6	<ul style="list-style-type: none"> Map 10/Standards Review 	
	9 5/9 – 5/13	<ul style="list-style-type: none"> Standards Review 	
	10 5/16 – 5/20	<ul style="list-style-type: none"> Standards Review 	
	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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