

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:

[Study Island](#) (use student Active Directory)

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

[Free Pre-Calculus Math Videos](#)

[IXL Pre-Calculus](#)

[TenMarks](#) (student logins will be provided)

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Pre-Calculus Honors

2016 – 2017

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 14	1 8/10 - 8/12	<ul style="list-style-type: none"> • Introductions Unit 1 – Chapter 4 – Trigonometric Functions <ul style="list-style-type: none"> • Section 4.1 – Radian and Degree Measure 	Section 4.1 – Khan Academy
	2 8/15 – 8/19	Unit 1 – Chapter 4 – Trigonometric Functions <ul style="list-style-type: none"> • Section 4.1 – Arc Length, Terminal and Coterminal angles • Section 4.3 – Right Triangle Trigonometry • Section 4.2 – Unit Circle 	Section 4.1 – Khan Academy Section 4.3 – Khan Academy Section 4.2 – Khan Academy
	3 8/22 – 8/26	Unit 1 – Chapter 4 – Trigonometric Functions <ul style="list-style-type: none"> • Section 4.3 – Identities • Section 4.4 – Trigonometric Functions of Any Angle • Assessment 	Section 4.3 – Khan Academy
	4 8/29 – 9/2	Unit 1 – Chapter 4 – Trigonometric Functions <ul style="list-style-type: none"> • Section 4.5 – Graphs of Sine and Cosine Functions • Assessment 	Section 4.5 – Khan Academy
	5 9/6 – 9/9	Unit 1 – Chapter 4 – Trigonometric Functions <ul style="list-style-type: none"> • Section 4.6 – Graphs of Other Trigonometric Functions • Assessment 	Section 4.6 – Khan Academy
	6 9/12 – 9/16	Unit 1 – Chapter 4 – Trigonometric Functions <ul style="list-style-type: none"> • Section 4.7 – Inverse Trigonometric Functions • Assessment 	Section 4.7 – Khan Academy
	7 9/19 – 9/23	Unit 1 – Chapter 4 – Trigonometric Functions <ul style="list-style-type: none"> • Section 4.8 – Applications and Models • Review • Assessment 	
	8 9/26 – 9/30	Unit 2 – Chapter 5 – Analytic Trigonometry <ul style="list-style-type: none"> • Section 5.1 – Using Fundamental Identities • Section 5.2 – Verifying Trigonometric Identities • Assessment 	Section 5.2 – Khan Academy
	9 10/3 – 10/7	Unit 2 – Chapter 5 – Analytic Trigonometry <ul style="list-style-type: none"> • Section 5.2 – Verifying Trigonometric Identities • Assessment 	Section 5.2 – Khan Academy
	10 10/10 – 10/14	Unit 2 – Chapter 5 – Analytic Trigonometry <ul style="list-style-type: none"> • Section 5.3 – Solving Trigonometric Equations 	Section 5.3 – SOS Math

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2016 – 2017

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Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/21	Unit 2 – Chapter 5 – Analytic Trigonometry <ul style="list-style-type: none"> Section 5.4 – Sum and Difference Formulas Section 5.5 – Multiple Angle Formulas: Double-Angle and Half-Angle Assessment 	Section 5.4 – Khan Academy Section 5.5 – Khan Academy
	2 10/24 – 10/28	Unit 2 – Chapter 5 – Analytic Trigonometry <ul style="list-style-type: none"> Section 5.5 – Multiple Angle Formulas: Double-Angle and Half-Angle Assessment 	Section 5.5 – Khan Academy
	3 10/31 – 11/4	Unit 3 – Chapter 6 – Additional Topics in Trigonometry <ul style="list-style-type: none"> Section 6.1 – Law of Sines Section 6.2 – Law of Cosines 	Section 6.1 – Khan Academy Section 6.2 – Khan Academy
	4 11/7 – 11/10	Unit 3 – Chapter 6 – Additional Topics in Trigonometry <ul style="list-style-type: none"> Section 6.2 – Law of Cosines Review Assessment 	Section 6.2 – Khan Academy
	5 11/14 – 11/18	Unit 3 – Chapter 6 – Vectors <ul style="list-style-type: none"> Section 6.3 – Vectors in the Plane Section 6.4 – Vectors and Dot Product 	Section 6.3 – Khan Academy Section 6.4 – Khan Academy
	6 11/21 – 11/22	Unit 3 – Chapter 6 – Vectors <ul style="list-style-type: none"> Section 6.4 – Vectors and Dot Product Assessment 	Section 6.4 – Khan Academy
	7 11/28 – 12/2	Unit 3 – Chapter 6 – Vectors <ul style="list-style-type: none"> Section 6.5 – Trigonometric Form of a Complex Number Assessment 	
	8 12/5 – 12/9	Unit 3 – Chapter 6 – Vectors <ul style="list-style-type: none"> Review Assessment 	
	9 12/12 – 12/16	<ul style="list-style-type: none"> Review semester content 	
	10 12/19 – 12/21	<ul style="list-style-type: none"> Review semester content District exams 	

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Pre-Calculus Honors

2016 – 2017

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Quarter 3 Jan 5 – Mar 10	1 1/5 – 1/6	Unit 4 – Chapter 1 – Functions and Their Graphs <ul style="list-style-type: none"> Section 1.2 – Functions Section 1.3 – Graphs of Functions 	Section 1.2 – Khan Academy Section 1.3 – Khan Academy
	2 1/9 – 1/13	Unit 4 – Chapter 1 – Functions and Their Graphs <ul style="list-style-type: none"> Section 1.3 – Graphs of Functions Section 1.4 – Shifting, Reflecting, and Stretching Graphs Assessment 	Section 1.3 – Khan Academy Section 1.4 – Khan Academy
	3 1/17 – 1/20	Unit 4 – Chapter 1 – Functions and Their Graphs <ul style="list-style-type: none"> Section 1.5 – Combinations of Functions Section 1.6 – Inverse Functions 	Section 1.5 – Khan Academy Section 1.6 – Khan Academy
	4 1/23 – 1/27	Unit 5 – Chapter 2 – Polynomial and Rational Functions <ul style="list-style-type: none"> Section 2.1 – Quadratics Section 2.2 – Polynomial Functions of Higher Degree Section 2.3 – Real Zeros of Polynomial Functions 	Section 2.1 – Khan Academy Section 2.2 – Khan Academy Section 2.3 – Khan Academy
	5 1/30 – 2/3	Unit 5 – Chapter 2 – Polynomial and Rational Functions <ul style="list-style-type: none"> Section 2.3 – Real Zeros of Polynomial Functions Section 2.4 – Complex Numbers Section 2.5 – The Fundamental Theorem of Algebra 	Section 2.3 – Khan Academy Section 2.4 – Khan Academy Section 2.5 – Khan Academy
	6 2/6 – 2/10	Unit 5 – Chapter 2 – Polynomial and Rational Functions <ul style="list-style-type: none"> Section 2.5 – The Fundamental Theorem of Algebra Section 2.6 – Rational Functions and Asymptotes Review Assessment 	Section 2.5 – Khan Academy Section 2.6 – Khan Academy
	7 2/13 – 2/16	Unit 6 – Chapter 3 – Exponential and Logarithmic Functions <ul style="list-style-type: none"> Section 3.1 – Exponential Functions and Their Graphs 	Section 3.1 – Khan Academy
	8 2/21 – 2/24	Unit 6 – Chapter 3 – Exponential and Logarithmic Functions <ul style="list-style-type: none"> Section 3.2 – Logarithmic Functions and Their Graphs Section 3.3 – Properties of Logarithms 	Section 3.2 – Khan Academy Section 3.3 – Khan Academy
	9 2/27 – 3/3	Unit 6 – Chapter 3 – Exponential and Logarithmic Functions <ul style="list-style-type: none"> Section 3.3 – Properties of Logarithms Section 3.4 – Solving Exponential and Logarithmic Equations Section 3.5 – Exponential and Logarithmic Models 	Section 3.3 – Khan Academy Section 3.4 – Khan Academy
	10 3/6 – 3/10	<ul style="list-style-type: none"> Section 3.4 – Solving Exponential and Logarithmic Equations Section 3.5 – Exponential and Logarithmic Models Review Assessment 	Section 3.4 – Khan Academy Section 3.5 – Khan Academy

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Quarter 4 Mar 21 – May 24	1 3/12 – 3/24	Unit 7 – Chapter 8 – Binomial Theorem <ul style="list-style-type: none"> Section 8.4 – The Binomial Theorem Review Assessment 	Section 8.4 – Khan Academy
	2 3/27 – 3/31	Unit 8 – Chapter 9 – Conics <ul style="list-style-type: none"> Section 9.1 – Circles Section 9.1 – Parabolas 	Section 9.1 – Khan Academy Section 9.1 – Khan Academy
	3 4/3 – 4/7	Unit 8 – Chapter 9 – Conics <ul style="list-style-type: none"> Section 9.2 – Ellipses Section 9.3 – Hyperbolas 	Section 9.2 – Khan Academy Section 9.2 – Khan Academy Section 9.3 – Khan Academy
	4 4/10 – 4/13	Unit 8 – Chapter 9 – Conics <ul style="list-style-type: none"> Review Assessment Unit 9 Chapter 11-Limits <ul style="list-style-type: none"> Section 11.1 – Introduction to Limits 	Section 11.1 – Khan Academy
	5 4/17 – 4/21	Unit 9 – Chapter 11 – Limits <ul style="list-style-type: none"> Section 11.2 – Techniques for Evaluating Limits Review Assessment 	Section 11.2 – Khan Academy
	6 4/24 – 4/28	Unit 9 – Chapter 11 – Limits <ul style="list-style-type: none"> Section 11.3 – The Tangent Line Problem Section 11.4 – Limits at Infinity and Limits of Sequences 	Section 11.3 – Khan Academy Section 11.4 – Khan Academy
	7 5/1 – 5/5	Unit 9 – Chapter 11 – Limits <ul style="list-style-type: none"> Review Assessment 	
	8 5/8 – 5/12	<i>Course Review/Supplemental lesson-OPTIONAL</i> Section 8.1-8.3 Sequences and series Section 9.5-9.6 Polar Equations	
	9 5/15 – 5/19	<ul style="list-style-type: none"> Final exams 	
	10 5/22 – 5/24	<ul style="list-style-type: none"> Final exams 	

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