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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)

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 14	1 8/10 - 8/12	• Introductions ***Unit 1 – Chapter 4 – Trigonometric Functions*** • Section 4.1 – Radian and Degree Measure	Section 4.1 – Khan Academy
	2 8/15 – 8/19	***Unit 1 – Chapter 4 – Trigonometric Functions*** • 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*** • 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*** • 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*** • 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*** • Section 4.7 – Inverse Trigonometric Functions • Assessment	Section 4.7 – Khan Academy
	7 9/19 – 9/23	***Unit 1 – Chapter 4 – Trigonometric Functions*** • *Section 4.8 – Applications and Models* • Review • Assessment	
	8 9/26 – 9/30	***Unit 2 – Chapter 5 – Analytic Trigonometry*** • 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*** • Section 5.2 – Verifying Trigonometric Identities • Assessment	Section 5.2 – Khan Academy
	10 10/10 – 10/14	***Unit 2 – Chapter 5 – Analytic Trigonometry*** • Section 5.3 – Solving Trigonometric Equations	Section 5.3 – SOS Math

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	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 18 – Dec 21	**1** 10/18 – 10/21	***Unit 2 – Chapter 5 – Analytic Trigonometry*** • 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*** • 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*** • 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*** • Section 6.2 – Law of Cosines • Review • Assessment	Section 6.2 – Khan Academy
	5 11/14 – 11/18	***Unit 3– Chapter 6 – Vectors*** • 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*** • Section 6.4 – Vectors and Dot Product • Assessment	Section 6.4 – Khan Academy
	7 11/28 – 12/2	***Unit 3 – Chapter 6 – Vectors*** • Section 6.5 – Trigonometric Form of a Complex Number • Assessment	
	8 12/5 – 12/9	***Unit 3 – Chapter 6 – Vectors*** • Review • Assessment	
	9 12/12 – 12/16	• Review semester content	
	10 12/19 – 12/21	• Review semester content • District exams	

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Pre-Calculus Honors   2016 – 2017

	Week	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 5 – Mar 10	1 1/5 – 1/6	***Unit 4 – Chapter 1 – Functions and Their Graphs*** • 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*** • 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*** • 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*** • 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*** • 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*** • 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*** • 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*** • 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*** • 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	• 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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Pre-Calculus Honors

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Quarter 4 Mar 21 – May 24	1 3/12 – 3/24	**Unit 7 – Chapter 8 – Binomial Theorem** • Section 8.4 – The Binomial Theorem • Review • Assessment	Section 8.4 – Khan Academy
	2 3/27 – 3/31	**Unit 8 – Chapter 9 – Conics** • 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** • 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** • Review • Assessment **Unit 9 Chapter 11-Limits** • Section 11.1 – Introduction to Limits	Section 11.1 – Khan Academy
	5 4/17 – 4/21	**Unit 9 – Chapter 11 – Limits** • Section 11.2 – Techniques for Evaluating Limits • Review • Assessment	Section 11.2 – Khan Academy
	6 4/24 – 4/28	**Unit 9 – Chapter 11 – Limits** • 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** • Review • Assessment	
	8 5/8 – 5/12	*Course Review/Supplemental lesson-OPTIONAL* Section 8.1-8.3 Sequences and series Section 9.5-9.6 Polar Equations	
	9 5/15 – 5/19	• Final exams	
	10 5/22 – 5/24	• Final exams	

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