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:

College Board

Other Course Supplemental Resources:

For All Topics – Help Materials and Online Tutorials

For All Topics – AP Calculus AB Help (Varsity Tutors)

For All Topics – AP Calculus Notes and Videos (WOWmath.org)

For All Topics – Online Tutorials

Exam Practice:

AP Calculus AB Sample Questions

The AP Calculus AB Exam - AP Central

AP Calculus Questions with Answers (Practice)

Guide for AP Calculus AB-BC - Learnerator

AP Calculus Practice Question – Khan Academy

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 12 – Oct 11	1 8/12 - 8/16	 Chapter P – Preparation for Calculus Lesson 3 – Functions and Their Graphs Lesson 1.2 – Finding Limits Graphically and Numerically 	Finding Limits Graphically – <u>Khan</u> <u>Academy</u>
	2 8/19 – 8/23	 Lesson 1.3 – Evaluating Limits Analytically Quiz Lesson 1.4 – Continuity and One-Sided Limits 	Evaluating Limits Analytically – <u>Khan</u> <u>Academy</u> One Sided Limits - <u>Khan Academy</u>
	3 8/26 – 8/30	 Lesson 1.4 – Continuity and One-Sided Limits Lesson 1.5 – Infinite Limits 	One Sided Limits - <u>Khan Academy</u> Indefinite Limits - <u>Khan Academy</u>
	4 9/3 – 9/6	 Quiz Test Chapter 1 Lesson 2.1 – The Derivative and the Tangent Line Problem 	Derivative and Tangent Line Problem – <u>Khan Academy</u>
	5 9/9 – 9/13	 Lesson 2.1 – The Derivative and the Tangent Line Problem Lesson 2.2 – Basic Differentiation Rules and Rates of Change 	Rules of Rates of Change – <u>Khan</u> <u>Academy</u> Product Rule - <u>Khan Academy</u> Quotient Rule - <u>Khan Academy</u>
	6 9/16 – 9/20	 Lesson 2.3 – Product and Quotient Rules and Higher-Order Derivatives Quiz Lesson 2.4 – The Chain Rule 	Chain Rule - <u>Khan Academy</u>
	7 9/23 – 9/27	 Lesson 2.4 – The Chain Rule Lesson 2.5 – Implicit Differentiation Quiz 	Chain Rule - <u>Khan Academy</u> Implicit Differentiation - <u>Khan</u> <u>Academy</u>
	8 9/30 – 10/4	 Test Lessons 2.1 – 2.5 Lesson 2.6 – Related Rates and Project 	Related Rates - Khan Academy
	9 10/7 – 10/11	 Lesson 2.6 – Related Rates and Project Quiz Lesson 3.1 – Extrema on an Interval 	Extrema on an Interval - <u>Khan</u> <u>Academy</u>

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	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 15 – Dec 20	1 10/15 - 10/18	 Lesson 3.2 – Rolle's Theorem and the Mean Value Theorem Lesson 3.3 – Increasing and Decreasing Functions and the First Derivative Test 	Mean Value Theorem - <u>Khan</u> <u>Academy</u> First Derivative Test - <u>Khan</u> <u>Academy</u>
	2 10/21 – 10/25	 Lesson 3.4 – Concavity and the Second Derivative Test Lesson 3.5 – Limits at Infinity 	Second Derivative Test - <u>Khan</u> <u>Academy</u>
	3 10/28 – 11/1	 Lesson 3.6 – A Summary of Curve Sketching Quiz Test Lessons 3.1 – 3.6 	Curve Sketching - <u>Khan Academy</u>
	4 11/4 - 11/8	Lesson 3.7 – Optimization Problems and Project	Optimization - <u>Khan Academy</u>
	5 11/12 – 11/15	 Lesson 3.9 – Differentials Lesson 4.1 – Antiderivatives and Indefinite Integration 	Indefinite Integrals - <u>Khan</u> <u>Academy</u> Differentials - <u>Khan Academy</u>
	6 11/18 – 11/22	 Lesson 4.1 – Antiderivatives and Indefinite Integration Lesson 4.2 – Area Lesson 4.3 – Riemann Sums and Definite Integrals 	Indefinite Integrals - <u>Khan</u> <u>Academy</u> Riemann Sums - <u>Khan Academy</u> Definite Integrals - <u>Khan</u> Academy
	7 11/25 – 11/26	Thanksgiving Packet	
	8 12/2 – 12/6	 Lesson 4.3 – Riemann Sums and Definite Integrals Lesson 4.4 – The Fundamental Theorem of Calculus 	Riemann Sums - <u>Khan Academy</u> Definite Integrals - <u>Khan</u> <u>Academy</u> Fundamental Theorem of Calculus - <u>Khan Academy</u>
	9 12/9 – 12/13	 Lesson 4.4 – The Fundamental Theorem of Calculus Test Lessons 4.1 – 4.4 Holiday Packet 	Fundamental Theorem of Calculus - <u>Khan Academy</u>
	10 12/16 – 12/20	Holiday Packet and Exams	

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	Week	Major Concepts / Topics	Possible Resources
	1	Lesson 4.5 – Integration by Substitution	Integration by Substitution - Khan
	1/6-1/10	Lesson 4.6 – Numerical Integration	<u>Academy</u>
	2 1/13 - 1/17	Review	Natural Logarithm Function:
		• Test Lessons 4.5 – 4.6	Integration - <u>Khan Academy</u>
		 Lesson 5.1 – The Natural Logarithmic Function: Differentiation 	Natural Logarithm Function:
		Lesson 5.2 – The Natural Logarithmic Function: Integration	Differentiation - Khan Academy
	3 1/21 – 1/24	 Lesson 5.2 – The Natural Logarithmic Function: Integration 	Natural Logarithm Function:
		Lesson 5.3 – Inverse Functions	Integration - <u>Khan Academy</u>
			Inverse Functions - <u>Khan Academy</u>
	4	• Quiz	Exponential Functions - <u>Khan</u>
	1/27 – 1/30	Lesson 5.4 – Exponential Functions: Differentiation and Integration	Academy
Quarter 3	5 2/3 – 2/7	 Lesson 5.5 – Bases Other Than <i>e</i> and Applications 	Bases Other Than e - <u>Khan Academy</u>
Jan 6 – Mar 12		Quiz	
		Test Lessons 5.1 – 5.5	
	6 2/10 - 2/14	Lesson 5.6 – Inverse Trigonometric Function: Differentiation	Inverse Trigonometric Functions:
		Lesson 5.7 – Inverse Trigonometric Functions: Integration	Differentiation - <u>Khan Academy</u>
	7 2/17 – 2/21	Review	Slope Fields - <u>Khan Academy</u>
		Quiz	Euler's Method - <u>Khan Academy</u>
		 Lesson 6.1 – Slope Fields and Euler's Method 	
	8	Lesson 6.2 – Differential Equations: Growth and Decay	Area Between Two Curves - <u>Khan</u>
	2/24 – 2/28	Lesson 7.1 – Area of a Region Between Two Curves	Academy
	9	 Lesson 7.2 – Volume: The Disk Method 	Volume: Disk Method - Khan Academy
	3/2 – 3/6	Review	
	10	FRQ – Differential Equation	
	3/9 – 3/12	Spring Break Packet	

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	Week	Major Concepts / Topics	Possible Resources
	1	SPRING BREAK – NO SCHOOL	
	3/16 – 3/20		
	2 3/23 – 3/27	Review	FRQ Test Prep - <u>Khan Academy</u>
		• Test	
		AP Exam Prep	
	3	AP Exam Prep	
	3/30 – 4/3		
	4	AP Exam Prep	
	4/6 – 4/9		
Quarter 4	5 4/14 – 4/17	AP Exam Prep	
Mar 23 – May 27	6	AP Exam Prep	
,	4/20 – 4/24		
	7	AP Exam Prep	
	4/27 – 5/1		
	8	AP Exam Prep	
	5/4 – 5/8	• AP Exam – Tuesday, May 5, 2020 8:00 am	
	9	Projects	
	5/11 – 5/15		
	10	Projects	
	5/18 – 5/22		
	11	• Exams	
	5/25 – 5/27		

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