

Please Note:

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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 \(Practice\)](#)

[AP Calculus AB-BC - Albert](#)

[AP Calculus Practice Questions – Khan Academy](#)

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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"> Lesson 3 – Functions and Their Graphs Lesson 1.2 – Finding Limits Graphically and Numerically 	Unit: Limits and continuity - Khan Academy Finding limits graphically – Khan Academy
	2 8/23 – 8/27	<ul style="list-style-type: none"> Lesson 1.3 – Evaluating Limits Analytically Quiz Lesson 1.4 – Continuity and One-Sided Limits 	Estimating limit values from graphs unit - Khan Academy Determining limits using algebraic properties unit- Khan Academy One sided limits - Khan Academy
	3 8/30 – 9/3	<ul style="list-style-type: none"> Lesson 1.4 – Continuity and One-Sided Limits Lesson 1.5 – Infinite Limits 	Introduction to infinite limits - Khan Academy
	4 9/6 – 9/10	<ul style="list-style-type: none"> Labor Day Holiday – 9/6 Quiz Assessment Lesson 2.1 – The Derivative and the Tangent Line Problem 	Unit: Differentiation: definition and basic derivative rules - Khan Academy Derivative and tangent line equations – Khan Academy
	5 9/13 – 9/17	<ul style="list-style-type: none"> Interims Issued – 9/14 Lesson 2.1 – The Derivative and the Tangent Line Problem Lesson 2.2 – Basic Differentiation Rules and Rates of Change 	Secant lines and average rates of change – Khan Academy
	6 9/20 – 9/24	<ul style="list-style-type: none"> Lesson 2.3 – Product and Quotient Rules and Higher-Order Derivatives Quiz Lesson 2.4 – The Chain Rule 	Product rule - Khan Academy Quotient rule - Khan Academy Chain Rule - Khan Academy
	7 9/27 – 10/1	<ul style="list-style-type: none"> Lesson 2.4 – The Chain Rule Lesson 2.5 – Implicit Differentiation Quiz 	Unit: Differentiation: composite, implicit, and inverse functions - Khan Academy Implicit differentiation - Khan Academy
	8 10/4 – 10/8	<ul style="list-style-type: none"> Assessment Lesson 2.6 – Related Rates and Project 	Unit: Contextual applications of differentiation - Khan Academy Related rates unit - Khan Academy
	9 10/11 – 10/15	<ul style="list-style-type: none"> Lesson 2.6 – Related Rates and Project Quiz Lesson 3.1 – Extrema on an Interval 	Finding absolute extrema on an a closed interval - Khan Academy

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Advanced Placement Calculus AB

2021-2022

	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 19 – Dec 21	1 10/19 – 10/22	<ul style="list-style-type: none"> Lesson 3.2 – Rolle’s Theorem and the Mean Value Theorem Lesson 3.3 – Increasing and Decreasing Functions and the First Derivative Test 	<i>Unit: Applying derivatives to analyze functions - Khan Academy</i> Mean value theorem - Khan Academy Using the first derivative test unit - Khan Academy
	2 10/25 – 10/29	<ul style="list-style-type: none"> Report Cards – 10/26 Lesson 3.4 – Concavity and the Second Derivative Lesson 3.5 – Limits at Infinity 	Second derivative test - Khan Academy
	3 11/1 – 11/5	<ul style="list-style-type: none"> Lesson 3.6 – A Summary of Curve Sketching Quiz Assessment 	Curve sketching - Khan Academy
	4 11/8 – 11/12	<ul style="list-style-type: none"> Veterans Day 11/11 Lesson 3.7 – Optimization Problems and Project 	<i>Optimization unit - Khan Academy</i>
	5 11/15 – 11/19	<ul style="list-style-type: none"> Interims Issued – 11/16 Lesson 3.7 – Optimization Problems and Project Lesson 3.9 – Differentials Lesson 4.1 – Antiderivatives and Indefinite Integration 	<i>Unit: Differential equations - Khan Academy</i> <i>Unit: Integration and accumulation of change - Khan Academy</i> Indefinite integrals - Khan Academy
	6 11/22 – 11/26	<ul style="list-style-type: none"> Thanksgiving Packet Thanksgiving Holiday 11/24 – 11/26 	<i>Approximating with Riemann sums unit - Khan Academy</i> <i>Riemann sums, summation notation and definite integral notation unit - Khan Academy</i> <i>Applying properties of definite integrals unit - Khan Academy</i>
	7 11/29 – 12/3	<ul style="list-style-type: none"> Lesson 4.1 – Antiderivatives and Indefinite Integration Lesson 4.2 – Area Lesson 4.3 – Riemann Sums and Definite Integrals 	<i>Fundamental theorem of calculus and accumulation functions unit - Khan Academy</i>
	8 12/6 – 12/10	<ul style="list-style-type: none"> Lesson 4.3 – Riemann Sums and Definite Integrals Lesson 4.4 – The Fundamental Theorem of Calculus 	
	9 12/13 – 12/17	<ul style="list-style-type: none"> Assessment Standards Review 	

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	<p style="text-align: center;">10 12/20 – 12/24</p>	<ul style="list-style-type: none"> • Standards Review • Second Quarter/First Semester Ends – 12/21 • Winter Break – 12/22 – 1/4 	
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Quarter 3 Jan 6 – Mar 10	1 1/6 – 1/7	<ul style="list-style-type: none"> Lesson 4.5 – Integration by Substitution Lesson 4.6 – Numerical Integration 	<i>Integrating using substitution unit</i> - Khan Academy
	2 1/10 – 1/14	<ul style="list-style-type: none"> Assessment Lesson 5.1 – The Natural Logarithmic Function: Differentiation Lesson 5.2 – The Natural Logarithmic Function: Integration 	U-substitution: logarithmic function - Khan Academy Derivative of $\ln(x)$ - Khan Academy
	3 1/17 – 1/21	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday – 1/17 Integration Lesson 5.3 – Inverse Functions Report Cards – 1/19 	Derivatives of inverse functions - Khan Academy
	4 1/24 – 1/28	<ul style="list-style-type: none"> Lesson 5.4 – Exponential Functions: Differentiation and Integration 	<i>Exponential functions differentiation unit</i> - Khan Academy
	5 1/31 – 2/4	<ul style="list-style-type: none"> Lesson 5.5 – Bases Other Than e and Applications Assessment 	Bases other than e - Khan Academy
	6 2/7 – 2/11	<ul style="list-style-type: none"> Teacher Inservice – 2/7 Interims Issued – 2/8 Lesson 5.6 – Inverse Trigonometric Function: Differentiation Lesson 5.7 – Inverse Trigonometric Functions: Integration 	<i>Differentiating inverse trigonometric functions unit</i> - Khan Academy
	7 2/14 – 2/18	<ul style="list-style-type: none"> Assessment Lesson 6.1 – Slope Fields and Euler’s Method Lesson 6.2 – Differential Equations: Growth and Decay 	<i>Unit: Differential equations</i> - Khan Academy <i>Sketching slope fields unit</i> - Khan Academy <i>Reasoning using slope fields unit</i> - Khan Academy Euler's method: Khan Academy
	8 2/21 – 2/25	<ul style="list-style-type: none"> Presidents Day Holiday – 2/21 Lesson 7.1 – Area of a Region Between Two Curves 	<i>Unit: Applications of integration</i> - Khan Academy <i>Finding the area between curves expressed as functions of x unit</i> - Khan Academy

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	9 2/28 – 3/4	<ul style="list-style-type: none"> • Lesson 7.2 – Volume: The Disc Method • Assessment • FRQ - Differential Equations 	Volume with disc method: revolving around x or y axis unit - Khan Academy Volume with disc method: revolving around other axes unit - Khan Academy
	10 3/7 – 3/10	<ul style="list-style-type: none"> • Spring Break Packet 	

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Quarter 4 Mar 14 – June 2	1 3/14 – 3/18	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL • Spring Break Packet 	
	2 3/21 – 3/25	<ul style="list-style-type: none"> • AP Exam Prep 	<i>Unit: AP Calculus AB solved frqs from past exams - Khan Academy</i>
	3 3/28 – 4/1	<ul style="list-style-type: none"> • Report Cards – 3/29 • AP Exam Prep 	
	4 4/4 – 4/8	<ul style="list-style-type: none"> • AP Exam Prep 	
	5 4/11 – 4/15	<ul style="list-style-type: none"> • AP Exam Prep • Holiday – 4/15 	
	6 4/18 – 4/22	<ul style="list-style-type: none"> • Holiday – 4/18 • AP Exam Prep 	
	7 4/25 – 4/29	<ul style="list-style-type: none"> • Interims Issued – 4/26 • AP Exam Prep 	
	8 5/2 – 5/6	<ul style="list-style-type: none"> • 2022 AP Exams will be administered during the first two full weeks of May 2022, with late testing occurring during the 3rd week of May 	
	9 5/9 – 5/13	<ul style="list-style-type: none"> • Project 	
	10 5/16 – 5/20	<ul style="list-style-type: none"> • Project 	
	11 5/23 – 5/27	<ul style="list-style-type: none"> • Project 	
	12 5/30 – 6/2	<ul style="list-style-type: none"> • Memorial Day Holiday – 5/30 • Project 	

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