2025-2026 | AP Calculus BC Year-At-A-Glance

Week	Dates	Unit Title & Topics
Week 1	Aug. 12-15	**Unit 1: Limits and Continuity** 1.1 Introducing Calculus 1.2 Defining Limits and Using Limit Notation 1.3 Estimating Limit Values from Graphs 1.4 Estimating Limit Values from Tables 1.5 Determining Limits Using Algebraic Properties of Limits 1.6 Determining Limits Using Algebraic Manipulation 1.7 Selecting Procedures for Determining Limits 1.8 Determining Limits Using the Squeeze Theorem 1.9 Connecting Multiple Representations of Limits 1.10 Exploring Types of Discontinuities 1.11 Defining Continuity at a Point 1.12 Confirming Continuity over an Interval 1.13 Removing Discontinuities 1.14 Connecting Infinite Limits Vertical Asymptotes 1.15 Connecting Limits at Horizontal Asymptotes 1.16 Working with the Interval Value Theorem (IVT)
Week 2	Aug. 18-22	
Week 3	Aug. 25-29	
Week 4	Sept. 2-5	
Week 5	Sept. 8-12	
Week 6	Sept. 15-19	**Unit 2: Differentiation: Definition and Basic Derivative Rules**
Week 7	Sept. 22-26	2.1 Defining Average and Instantaneous Rates of Change at a Point 2.2 Defining the Derivative of a Function and Using Derivative Notation 2.3 Estimating Derivative of a Function a Function at a Point 2.4 Connecting Differentiability & Continuity 2.5 Applying the Power Rule 2.6 Derivative Rules 2.7 Derivatives of cos x, sin x, e^x, and in x 2.8 The Product Rule 2.9 The Quotient Rule 2.10 Finding the Derivatives of Tangent, Cotangent, Secant and/or Cosecant
Week 8	Sept. 29-Oct. 3	**Unit 3: Differentiation: Composite, Implicit, and Inverse Functions** 3.1 The Chain Rule 3.2 Implicit Differentiation 3.3 Differentiating Inverse Functions 3.4 Differentiating Inverse Functions 3.5 Selecting Procedures for Calculating Derivatives 3.6 Calculating Higher-Order Derivatives
Week 9	Oct. 6-8	
Week 10	Oct. 14-17	**Unit 4: Contextual Applications of Differentiation** 4.1 Interpreting the Meaning of the Derivative In context 4.2 Straight-Line Motion: Connecting Position, Velocity, and Acceleration 4.3 Rates of Change in Applied Contexts Other Than Motion 4.4 Introduction to Related Rates 4.5 Solving Related Rates Problems 4.6 Approximating Values of a Function Using Local Linearity and Linearization 4.7 Using L'Hopital's Rule for Determining Limits of Indeterminate Forms
Week 11	Oct. 20-24	
Week 12	Oct. 27-30	**Unit 5: Analytical Applications of Differentiation** 5.1 Using the Mean Value Theorem 5.2 Extreme Value Theorem, Global versus Local Extrema, and Critical Points 5.3 Determining Intervals on Which a Function Is Increasing or Decreasing 5.4 Using the First Derivative Test to Determine Relative Extrema 5.5 Using the Candidates Test to Determine Abs. Extrema 5.6 Determining Concavity of Functions over Their Domains 5.7 Using the Second Derivative Test to Determine Extrema 5.8 Sketching Graphs of Functions and Their Derivatives 5.9 Connecting a Function, Its First Derivative, and Its Second Derivative 5.10 Introduction to Optimization Problems 5.11 Solving Optimization Problems 5.12 Exploring Behaviors of Implicit Relations
Week 13	Nov. 3-7	
Week 14	Nov. 12-14	
Week 15	Nov. 17-21	
Thanksgiving Break		
Week 16	Dec. 1-5	**Unit 6: Integration and Accumulation of Change** 6.1 Exploring Accumulation of Change 6.2 Approximating Areas with Riemann Sums 6.3 Riemann Sums, Summation Notation, and Definite Integral Notation 6.4 The Fundamental Theorem of Calculus and Accumulations Functions 6.5 Interpreting the Behavior of Accumulation Functions Involving Area 6.6 Applying Properties of Definite Integrals 6.7 The Fundamental Theorem of Calculus and Definite Integrals 6.8 Finding Antiderivatives and Indefinite Integrals 6.9 Integrations Using Substitution 6.10 Integrating Functions Using Long Division and Completing the Square 6.11 Integrating Using Integration by Parts 6.12 Using Linear Partial Fractions 6.13 Evaluating Improper Integrals 6.14 Selecting Techniques for Antidifferentiation
Week 17	Dec. 8-12	
Week 18	Dec. 15-19	
Christmas Break		
Week 19	Jan. 6-9	**Unit 7: Differential Equations** 7.1 Modeling Situations with Differential Equations 7.2 Verifying Solutions for Differential Equations 7.3 Sketching Slope Fields 7.4 Reasoning Using Slope Fields 7.5 Approximating Solutions Using Eulers Method 7.6 Finding General Solutions Using 7.7 Finding Particular Solutions Using Initial Conditions and Separations of Variables 7.8 Exponential Models with
Week 20	Jan. 12-16	
Week 21	Jan. 20-23	

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		Separations of Variables		Differential Equations 7.9 Logistic Models with Differential Equations
Week 22	Jan. 26-30	Unit 8: Applications of Integration		
Week 23	Feb. 2-6	8.1 Funding the Average Value on an Interval 8.2 Connecting Position, Velocity, and Acceleration of Functions Using Integrals	8.6 Finding the Area Between Curves that Intersect at More than Two Points 8.7 Volume and Cross Sections: Squares and Rectangles	8.10 Volume with Disc Method: Revolving Around Other Axes 8.11 Volume with Washer Method: Revolving Around the x- or y-
Week 24	Feb. 9-12	8.3 Using Accumulation Functions and Definite Integrals in Applied Contexts 8.4 Finding the Area Between Curves Expressed as Functions as x 8.5 Finding the Area Between Curves as f(y)	8.8 Volumes with Cross Sections: Triangles and Semicircles 8.9 Volume with Disc Method: Revolving Around the x- or y-Axis	8.12 Volume with Washer Method: Revolving Around Other Axes 8.13 The Arc Length of a Smooth, Planar Curve, Distance Travel
Week 25	Feb.17-20	Unit 9: Parametric Equations, Polar Coordinates, and Vector-Valued Functions		
Week 26	Feb. 23-27	9.1 Defining and Differentiation Parametric Equations 9.2 Second Derivatives of Parametric Equations	9.5 Integrating Vector-Valued Functions 9.6 Solving Motion Problems Using Parametric and Vector-Valued Functions	
Week 27	March 2-6	9.3 Finding Arc Lengths of Curves Given By Parametric Equations	9.7 Defining Polar Coordinates and Differentiating in Polar Form	
Week 28	March 9-13	9.4 Defining and Differentiating Vector-Valued Functions	9.8 Find the Area of a Polar Region or Area Bounded by a Single Curve 9.9 Finding the Area of the Region Bounded by Two Polar Curves	
Spring Break				
Week 29	March 24-27	Unit 10: Sequences and Series		
		10.1 Defining Convergent and Divergent Infinite Series 10.4 Integral Test for Convergence	10,2 Working with Geometric Series 10.10 Alternating Series Bound	10.3 The nth Term Test for Divergence
Week 30	Mar. 30-Apr. 2	10.5 Harmonic Series and p-Series 10.6 Comparison Tests for Convergence 10.7 Alternating Series Test for Convergence	10.11 Finding Taylor Polynomial Approximations of Functions 10.12 Lagrange Error Bound	10.14 Finding a Taylor or Maclaurin Series for a Function 10.15 Representing Functions as Power Series
Week 31	April 7-10	10.8 Ratio Test for Convergence 10.9 Determining Absolute or Conditional Convergence	10.13 Radius and Interval of Convergence of Power Series	
Week 32	April 13-17	Review & AP Exam		
Week 33	April 20-24			
Week 34	April 27-May 1			
Week 35	May 4-8			
Week 36	May 11-15	Post AP Exam Activities		
Week 37	May 18-20			