

Calculus

1.2 Finding Limits Graphically and Numerically	1 class period		08/26/25
1.3 Evaluating Limits Analytically	2 class periods	8/26, 8/28	
1.4 Continuity and One-Sided Limits	2 class periods	8/28, 8/29	
1.5 Infinite Limits	1 class period		09/02/25
1.6 Limits at Infinity	1 class period		09/02/25
Chapter 1 (Unit 1) Exam	1 class period		09/05/25
2.1 The Derivative and the Tangent Line Problem	1 class period		09/04/25
2.2 Basic Differentiation Rules and Rates of Change	2 class periods	9/4, 9/9	
2.3 Product and Quotient Rules and Higher-Order Derivatives	2 class periods	9/9, 9/11	
Unit 2 (2.1 – 2.3) Exam	1 class period		09/12/25
2.4 The Chain Rule	2 class periods	9/11, 9/16	
2.5 Implicit Differentiation	2 class periods	9/16, 9/18	
2.6 Derivatives of Inverse Functions	1 class period		09/18/25
Unit 3 (2.4, 2.5, 2.6) Exam	1 class period		09/19/25
2.7 Related Rates	2 class periods		09/25/25
3.7 Differentials	1 class period		09/26/25
7.7 Indeterminate Forms and L'Hopital's Rule	2 class periods		09/30/25
Unit 4 (2.7, 3.7, 7.7) Exam	1 class period	Take home	
AP Practice Exam	2 class periods		21-Oct
3.1 Extrema on an Interval	1 class period		10/23/25
3.2 Rolle's Theorem and the Mean Value Theorem	2 class periods	10/23, 10/24	
3.3 Increasing and Decreasing Functions and the First Derivative Test	1 class period		10/28/25
3.4 Concavity and the Second Derivative Test	1 class period		10/28/25
3.5 A Summary of Curve Sketching	1 class period		10/30/25
3.6 Optimization Problems	1 class period		10/30/25
Unit 5 (Chapter 3) Exam	1 class period		10/31/25
4.1 Antiderivatives and Indefinite Integration (start)	1 class period		11/04/25
4.1 Antiderivatives and Indefinite Integration (finish)	1 class period		11/04/25
4.2 Area	1 class period		11/06/25
4.3 Riemann Sums and Definite Integrals	2 class periods	11/06, 11/7	
4.4 The Fundamental Theorem of Calculus	2 class periods		11/11/25
4.5 The Net Change Theorem	1 class period		11/13/25
4.6 Integration by Substitution	2 class periods	11/13, 11/14	
4.7 The Natural Logarithmic Function: Integration	2 class periods		11/18/25
4.8 Inverse Trigonometric Functions	1 class period		11/20/25
Unit 6 Part 1 (4.1 – 4.8) Exam	1 class period		11/20/25
7.1 Basic Integration Rules	2 class periods	11/21, 11/25	
7.2 Integration by Parts	2 class periods	11/25, 12/2	
7.3 Trigonometric Integrals	1 class period	NOT REQUIRED - CAN BE F	
7.4 Trigonometric Substitution	1 class period	NOT REQUIRED - CAN BE F	
7.5 Partial Fractions	2 class periods	12/02, 12/04	
7.6 Integration by Tables and Other Integration Techniques	1 class period	NOT REQUIRED - CAN BE F	
7.8 Improper Integrals	2 class periods	12/4, 12/5	
Unit 6 Part 2 (7.1 – 7.6, 7.8) Exam	1 class period		12/08/25
AP Practice Exam	2 class periods		12/10/25
5.1 Slope Fields and Euler's Method	2 class periods	12/8, 12/11	
5.2 Growth and Decay	1 class period		12/16/25
5.3 Separation of Variables	1 class period		12/16/25
5.4 The Logistic Equation	1 class period		12/18/25

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Unit 7 (Chapter 5) Exam	1 class period		12/18/25
6.1 Area of a Region Between Two Curves	2 class periods		01/06/26
6.2 Volume: The Disk and Washer Methods	2 class periods		01/08/26
6.3 Volume: The Shell Method	1 class period		01/09/26
6.4 Arc Length and Surfaces of Revolution	2 class periods		01/13/26
Unit 8 (6.1, 6.2, 6.3, 6.4) Exam	1 class period		01/16/26
9.1 Conics and Calculus	1 class period		1/15/26
9.2 Plane Curves and Parametric Equations	1 class period		1/15/26
9.3 Parametric Equations and Calculus	2 class periods		1/27/26
9.4 Polar Coordinates and Polar Graphs	2 class periods		1/29/26
9.5 Area and Arc Length in Polar Coordinates	2 class periods	1/30,2/3	
9.6 Vectors in the Plane	1 class period		2/3/26
9.7 Vector-Valued Functions	2 class periods		2/5/26
9.8 Velocity and Acceleration	1 class period		2/6/26
Unit 9 (Chapter 9) Exam	1 class period		2/13/26
8.1 Sequences	1 class period		2/10/26
8.2 Series and Convergence	2 class periods	2/10, 2/12	
8.3 The Integral Test and p-Series	2 class periods	2/12,2/17	
8.4 Comparisons of Series	2 class periods	2/17, 2/19	
8.5 Alternating Series	2 class periods	2/19,2/20	
Unit 10 Part 1 (8.1 – 8.5) Exam	1 class period		2/24/26
8.6 The Ratio and Root Tests	2 class periods	2/24, 2/26	
8.7 Taylor Polynomials and Approximations	2 class periods	2/26, 2/27	
8.8 Power Series	2 class periods		3/5/26
8.9 Representation of Functions by Power Series	2 class periods	3/6, 3/10	
8.10 Taylor and Maclaurin Series	2 class periods	3/10, 3/12	
Unit 10 Part 2 (8.6 – 8.10) Exam	1 class period		3/12
Review for Final	3 class periods	3/13, 3/17	
Take Final	2 class periods		3/19
Review for AP	9 class periods		
AP EXAM	!!		05/04/21
2.8 Newton's Method	2 class periods	NOT REQUIRED	
7.3 Trigonometric Integrals	1 class period	NOT REQUIRED	
7.4 Trigonometric Substitution	1 class period	NOT REQUIRED	
7.6 Integration by Tables and Other Integration Techniques	1 class period	NOT REQUIRED	