AP Calculus AB
Year at a Glance (YAG)
2023-2024

First Semester		Second Semester	
1ˢᵗ Nine Weeks		**3ʳᵈ Nine Weeks**	
College Board Standard EU 1.1, EU 1.2	**Unit 1: Limits (5 days)** Students will determine limits algebraically, graphically, and tabularly.	EU 3.1, EU 3.2	**Unit 7: Antidifferentiate applicaticatin and review of 1st semester (7 days)** Students will explore antiderivative relationships **Unit 8: Fundamental Theorem of Calculus (6 days)**
EU 2.1, EU 2.2	**Unit 2: The Derivative and Derivative Rules (7 days)** Students will explore the concept of the derivative and determine derivatives for a variety of functions.	EU 3.3, EU 3.4	Students will explore the concept of the Fundamental Theorem of Calculus and integration.
EU 2.3	**Unit 3: Mechanics of Motion, L'hopital's rule, MVT (6 days)** Students will explore the Calculus of motion and theorems of Calculus	EU 3.3, EU 3.4	**Unit 9: Application of the Fundamental Theorem of Calculus (6 days)** Students will apply the F.T.C. in a variety of real world contexts.
		EU 3.5	**Unit 10: Differential Equations (6 days)** Students will solve and apply differential equations in a variety of contexts.
2ⁿᵈ Nine Weeks		**4ᵗʰ Nine Weeks**	
EU 2.2, EU 2.4	**Unit 4: Analyzing f,f',f'' Relationships (8 days)** Students will analyze the relationships between a function and its derivative.	EU 3.4	**Unit 10: Area and Volume (7 days)** Students will find the area and volume of various irregular figures.
EU 2.3	**Unit 5: Related Rates (5 days)** Students will apply derivatives in a variety of real world contexts.	All	**Unit 11: AP Review Free Response (6 Days)** Students will review all concepts presented in this class in order to prepare for the AP test.
EU 2.3	**Unit 6: Riemann Sums and Antidifferentiation (7 days)** Students will determine the area under a function using a Riemann sum, analyze its significance and relate that value to the antiderivative. **Semester Exam/Review (4 days)**	All	**Unit 11: AP Review Multiple Choice (3 days)** Students will review all concepts presented in this class in order to prepare for the AP test. **Semester Exam/Review (6 days)**

Resources

1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks