



**AP Calculus AB**  
**Year at a Glance (YAG)**  
**2024-2025**



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

Resources

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