



	Monday 1/22	Tuesday 1/23	Wednesday 1/24	Thursday 1/25	Friday 1/26
College Board Curriculum Framework Objectives:	1. An antiderivative of a function f is a function g whose derivative is f . (3.1A1)				
	2. Differentiation rules provide the foundation for finding antiderivatives. (3.1A2)				
	3. The notation $\int f(x)dx = F(x) + C$ means that $F'(x) = f(x)$, and $\int f(x)dx$ is called an indefinite integral of the function f . (3.3B3)				
	4. Techniques for finding antiderivatives include algebraic manipulation such as long division and completing square as well as substitution of variables. (3.3B5)				
	5. Antidifferentiation can be used to find specific solutions to differential equations with given initial conditions, including applications to motion along a line, exponential growth and decay. (3.5A1)				
Before:	*Warm-Up : Differentials page 10, 7-8 page 11, 4 & 6	*Review Homework	*Review Homework	*Review Homework	*Quiz (Differential Equations and Slope Fields)
During:	*Lesson: Differential Equations (page 12, #1-4)	*Lesson: Slope Fields (pg 14, #1-3; 1-2) (pg 15, #7, 11)	*Lesson: Slope Fields & DiffEQ (page 17, #17,18) (page 18, #1,2)	*Group Collaboration Set (Differential Equations and Slope Fields)	*Lesson: PVA revisited (p20)
After:	*Homework: Finish page 11 and page 13	*Homework: Page 15, #4-6	*Homework: page 19, #3,4		*Homework: Test Review Problems
Desired Outcome:	Students will be able to solve differential equations for general and specific solutions.	Students will be able to sketch slope fields given a differential equation.	Students will be able to sketch slope fields and find specific solutions to differential equations.	Students will review topics of integration: integration, u-substitution, differential equations and slope fields	Students will be able to use integration to solve PVA problems.
Formative/ Summative:	Student questioning throughout lesson	Student questioning throughout lesson	Student questioning throughout lesson	Student questioning throughout lesson	Quiz Student questioning throughout lesson
Critical Questions:	Explain how to solve a differential equation for a specific solution.	Explain what a slope field tells us. How do you create a slope field?	Explain how the slope field is related to the differential equation.	n/a	Explain how integration is used in PVA problems.