



	Monday 1/15	Tuesday 1/16	Wednesday 1/17	Thursday 1/18	Friday 1/19
<b>College Board Curriculum Framework Objectives:</b>	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)				
<b>Before:</b>	Holiday	*Homework Questions	*Quiz (Integration Techniques)	*Quiz Review  *Homework Questions	*Homework Questions
<b>During:</b>		*Lesson: Crazy U-sub Problems 1-3	*Lesson: Separable Diff Eq (MMM ex1-8)	*Lesson: Diff Eq (MMM ex 10-13) & Diff Eq Handout	*Collaboration Problem Set
<b>After:</b>		*Spiral Review Problem Set  *Khan Academy Quizzes	*Homework: MMM 1-6  *Finish Spiral Review/Khan Academy	*Homework: MMM 7-10  *Khan Academy	*Homework: Notecards/Khan Academy
<b>Desired Outcome:</b>		Students will be able to use substitution to integrate functions.	Students will be able to solve differential equations.	Students will be able to solve more complex differential equations.	Students will be able to solve integration problems in Calculus.
<b>Formative/ Summative:</b>		-Student questioning throughout lesson/ Khan Academy	-Student questioning throughout lesson/ Collaboration  -Class Quiz	-Student questioning throughout lesson/ Khan Academy	-Student questioning throughout lesson/ Khan Academy
<b>Critical Questions:</b>		<i>Explain how you know when a problem requires crazy u-sub.</i>	<i>Explain how to solve a general differential equation.</i>	<i>Explain how to solve a specific differential equation.</i>	n/a