



	Monday 10/02	Tuesday 10/03	Wednesday 10/04	Thursday 10/05	Friday 10/06
College Board Curriculum Framework Objectives:	<i>Use information from a table to estimate the instantaneous rate of change at a given time (2.1B1)</i> <i>Know the different notations for derivative (dy/dx, $f'(x)$, and y'). (2.1A4)</i> <i>The derivative is IROC and can be used to find rates of change. The derivative is the slope of the tangent line. (2.3)</i> <i>The chain rule provides a way to differentiate composite functions. (2.1C4)</i> <i>The derivative can be used to solve rectilinear motion problems involving position, speed, velocity, and acceleration (2.3C1)</i> <i>Limits of the indeterminate forms may be evaluated using L'H Rule. (1.1C3)</i>				
Before:	*Homework Questions	*Homework Questions	*Unit 2 Test (Derivatives)	*Homework Questions (PVA and LH Rule)	
During:	*Lesson: LHospital's Rule & PVA	*Lesson: PVA, cont'd		*Lesson: Defn of Derivative	
After:	*Group Collaboration Set *HW Set: Test Review Problems	*Group Collaboration Set *HW Set: LH and PVA (Due Thursday 10/5)		*Group Collaboration Set *HW Set: PVA, Defn of Derivative	
Desired Outcome:	Students will be able to use LH Rule to find limits. Students will be able to use derivatives to solve problems dealing with PVA (position, velocity, acceleration)	Students will be able to use derivatives to solve problems dealing with PVA (position, velocity, and acceleration)	Students will demonstrate their understanding of finding derivatives using various rules and techniques AND using derivatives to solve problems.	Students will be able to find derivatives using the definition of the derivative.	
Formative/ Summative:	Student questioning throughout lesson/collaboration	Student questioning throughout lesson/collaboration	Test	Student questioning throughout lesson/collaboration	
Critical Questions:	<i>Explain LH Rule and when LH Rule can be used.</i>	<i>Explain how to use differentiation to find the position, velocity and acceleration of an object traveling in straight line motion.</i>	n/a	<i>Explain how to identify the function within the limit definition of the derivative.</i>	