



	Monday 12/4	Tuesday 12/5	Wednesday 12/6	Thursday 12/7	Friday 12/8
College Board Curriculum Framework Objectives:	<i>The chain rule is the basis for implicit differentiation (2.1C5) The derivative can be used to solve related rates problems (2.3C2) The chain rule can be used to find the derivative of an inverse functions (2.1C6)</i>				
Before:	*Review HW Set (AP Exam Practice 1-4, 7 *Finish Implicit Diff #5	*Homework Review	*Quiz: Implicit Differentiation *Review Homework	*Homework Review	*Homework Review
During:	*AP Exam Practice Problems	*Lesson: Inverse Functions	*Lesson: Inverse Trig Functions	*Lesson: Related Rates	*Lesson: More Related Rates
After:	*Group Collaboration/ HW Set: Implicit Differentiation	*Group Collaboration/ HW Set	*Group Collaboration/ HW Set	*Group Collaboration/ HW Set	*Group Collaboration/ HW Set
Desired Outcome:	Students will be able to solve problems using implicit differentiation	Students will be able to find derivatives of inverse functions.	Students will be able to find the derivatives of inverse trig functions.	Students will be able to solve related rate problems.	
Formative/ Summative:	Student questioning during lesson; Khan Academy Quiz	Student questioning during lesson	Quiz; Student questioning during lesson	Student questioning during lesson/group collaboration	
Critical Questions:	<i>Explain how to use implicit differentiation to write an equation of a tangent line.</i>	<i>Explain how to find the derivative of inverse functions.</i>	<i>Explain how to use the formulas for finding derivatives of inverse trig functions</i>	<i>Explain related rates. How can implicit differentiation help you to solve related rate problems?</i>	