



	Monday 1/29	Tuesday 1/30	Wednesday 1/31	Thursday 2/1	Friday 2/2
College Board Curriculum Framework Objectives:	In some cases, a definite integral can be evaluated by using geometry and the connection between the definite integral and area (3.2C1)				
Before:	*Review Quiz	*Unit 5 Extra Practice Set Q's	*Unit 5 Test (Integration, Differential Equations and Slope Fields)	*Intro to Area Under a Curve (Velocity)	*Review MMM Problem Set
During:	*Finish Slope Fields MC	*PVA Problems		*Lesson: Area Under a Curve Basics	*Lesson: Area under a Curve using Rectangles and Trapezoids
After:	*Unit 5 Extra Practice Set	*Spiral Review Q's (if time permits)		*MMM Problem Set	*MMM Problem Set
Desired Outcome:	Students will be able to solve problems dealing with differential equations and slope fields.	Students will be able to relate integration to PVA type problems.	Students will demonstrate their understanding of integration, differential equations, slope fields, and spiral review Calculus problems.	Students will be able to relate integration to finding the area under a curve. Students will be able to find area using Riemann Sums and Trapezoidal Sums.	Students will be able to relate integration to finding the area under a curve. Students will be able to find area using Riemann Sums and Trapezoidal Sums.
Formative/ Summative:	Student questioning throughout lesson	Student questioning throughout lesson	Test	Student questioning throughout lesson/Khan Academy Quizzes	Student questioning throughout lesson/Khan Academy Quizzes
Critical Questions:	<i>Explain some techniques for matching a slope field to its DiffEq</i>	<i>Explain how integration techniques can be used to solve PVA problems.</i>	n/a	<i>Explain how integration relates to the area under a curve—and how you can use rectangles and trapezoids to approximate integrals.</i>	