Mrs. Medlen
AP Calculus AB
Lesson Plans

CARROLL HIGH SCHOOL

	Monday 11/13	Tuesday 11/14	Wednesday 11/15	Thursday 11/16	Friday 11/17
College Board Curriculum Framework Objectives:	*Continuity is an essential condition for the IVT, ECT, and MVT (1.2B1) If a function is continuous on an interval, the Mean Value Thoerem guarantees a point within that open interval where the instantaneous rate of change equals the average rate of change over the interval. (2.4A1)*				
Before:		*Review #10 HW *Finish Tan Line Approx Examples 7-9	*Finish PVA lesson if needed	*Quiz (Unit Circle)	*Work on Khan Academy
During:		*PVA Lesson	*Lesson: IVT and MVT	*Lesson: EVT	
After:		*Finish PVA lesson & work on Khan Academy	*Group Collaboration Set on IVT & MVT	*Group Collaboration Set on EVT	
Desired Outcome:		Students will be able to solve problems involving position, velocity and acceleration using derivatives.	Students will be able to use the Intermediate Value Theorem and Mean Value Theorem to solve problems.	Students will be able to use the Extreme Value Theorem to solve problems.	Students will work on Khan Academy quizzes that are due.
Formative/ Summative:		Student questioning throughout lesson	Student questioning throughout lesson and collaboration	Quiz Student questioning throughout lesson and collaboration	Khan Academy Quizzes
Critical Questions:		*Explain how the position, velocity and acceleration are related to the derivative. Explain what you can discuss with the graph of the velocity vs the graph of the position.*	*Explain the Intermediate Value Theorem and the Mean Value Theorem.*	*Explain the Extreme Value Theorem*	*n/a*