Week 11 Oct. 27-31, 2025

AP Calculus	Monday 10/27/25	Tuesday 10/28/25	Wednesday 10/29/25	Thursday 10/30/25	Friday 10/31/25
AP Calculus Goals Link to AP Calculus Course Description					
Objective(s) Students will be able to:	use the rules of differentiation to calculate the derivative.	use the rules of differentiation to calculate the derivatives and write equations of tangent lines.	apply the definition of a derivative, use proper notation and use rules for differentiation to calculate derivatives.	use derivatives to analyze straight line motion and solve other problems involving rates of change.	use derivatives to solve problems involving rates of change.
Activities	1. Go through homework solutions using the green worked out solutions manual.. 2. Have students continue with Sec. 3.3 p. 116-123 Rules for Differentiation. 3. Do some guided practice at the board with derivative rules. 4. Pass out the derivatives worksheet for students to complete. 5. They may work on other assignments or read a book when finished.	1. Go over homework questions. 2. Grade homework. 3. Continue with Derivative Rules, Sec. 3.3. 4. Add the concept of finding equations of tangent lines using the derivative as the slope of the tangent line. 5. Show AP Classroom Daily video on tangent lines. 6. Work guided practice, focusing specifically on the product rule and quotient rule and writing equations of tangent lines. 7. Have students do p. 124 & 125 #27-51 mult. of 3.	1. Go through homework questions & solutions. 2. Review for quiz over Sec. 3.1 to 3.3 Derivatives. 3. Have students do guided practice on Sec. 3.1 to 3.3 on Definition of the Derivative, Derivative Rules, and Writing Equations of Tangent Lines. 4. Pass out the quiz for students to complete. 5. Collect when finished. 6. Assign homework: p. 167 & 168 sheet on derivatives #1-26 all.	1. Begin Sec. 3.4 p.127 -134 Velocity & Other Rates of Change with PowerPoint. 2. Place additional notes & examples on the SMART Board. 3. Model an application problem using p. 136 #13 & 15 4. Do guided practice if time.	1. Go over homework questions. 2. Do p. 136 # 16 & 19 as guided practice. 3. Continue with applications of the derivative as a rate of change, Sec. 3.4 p. 127-134. 4. Continue guided practice with velocity and rates of change problems. 5. Use problems from p. 136-138. (#16, 20, 23, 28, 47).
Resources/Materials	• Textbook • Graphing Calculator • Derivatives worksheet	• SMART Board • Textbook • Chromebook	• SMART Board • Textbook • Chromebook • Graphing Calculator	• SMART Board • Textbook • Sec. 3.4 PowerPoint	• SMART Board • Textbook • Graphing Calculator
Assessments	• Guided Practice • Direct Questioning • Homework	• Direct Questioning • Board Practice • Homework	• Board Practice • Direct Questioning • Homework sheet	• Guided Practice • Direct Questioning • Homework	• Direct Questioning • Guided Practice • Homework
Homework	Derivatives worksheet.	p. 124 & 125 #27-51 mult. of 3.	p. 167 & 168 sheet on derivatives #1-26 all.	p. 135 & 136 #9, 10, 14, 15, 18.	p. 137 & 138 #21, 24, 25, 27, 29, 34.