

AP Calculus	Monday 4/13/26	Tuesday 4/14/26	Wednesday 4/15/26	Thursday 4/16/26	Friday 4/17/26
AP Calculus Goals Link to AP Calculus Course Description	FUN.5.A.2-3, FUN-6.A.1-3, FUN-6.B1-3	FUN-7.C.1, FUN-7.C.2, FUN-7.C.3	FUN-6.D.1, FUN-6.D.2	FUN-6.D.1, FUN-6.D.2	FUN-6.D.1, FUN-6.D.2
Objective(s) Students will be able to:	apply the Fundamental Theorem of Calculus and understand the relationship between the derivative and definite integral as expressed in both parts of the Fundamental Theorem of Calculus.	construct slope fields with and without technology and interpret slope fields as visualizations of different equations.	compute indefinite and definite integrals by using the method of substitution.	compute indefinite and definite integrals by using the method of substitution.	compute indefinite and definite integrals by using the method of substitution.
Activities	1. Pass back the quiz & go over. 2. Continue with Definite Integrals and the Fundamental Thm of Calculus Part 1 & Part 2. 3. Introduce Sec. 6.5 on Trapezoidal Rule, p. 310-315. 4. Use the PowerPoint for 6.5 & show students how to do trapezoidal rule and Simpson's rule. 5. Have students do p. 316 #'s 1-10 in class. 6. Assign: Read Sec. 7.1 p. 325-330 on Slope Fields.	1. Start Sec. 7.1 p. 325-330 on Slope Fields. 2. Place notes & examples on the SMART Board. 3. Have students construct a small slope field (use released AP Test questions). 4. Do guided practice. 5. No homework.	1. Start Sec. 7.2 p. 336-341 on Antidifferentiation by Substitution. 2. Place notes & examples on the SMART Board. 3. Do guided practice. 4. Assign homework: p. 342 #'s 3-15 mult of 3, 17-29 odd	1. Go over the homework solutions. 2. Continue with Sec. 7.2 p. 336-341 on Integration by Substitution. 3. Place additional notes & examples on the SMART Board. 4. Send students to the board for guided practice. 5. Assign homework: p. 343 #'s 31-45 odd, 47-51 mult of 3	1. Go over the homework questions & solutions. 2. Continue with Sec. 7.2 p. 336-341 on Integration by Substitution. 3. Use the AP Classroom Daily Instructional videos & practice questions found online. 4. Do guided practice.
Resources/Materials	• Smart Board • Textbook • Graphing Calculator	• Graphing Calculator • Textbook • AP Classroom • SMART Board	• SMART Board • Textbook • AP Classroom • Whiteboard	• SMART Board • Textbook • AP Classroom • Graphing Calculator	• Graphing Calculator • Textbook • AP Classroom • SMART Board
Assessments	• Homework • Direct Questioning • Board Work	• Direct Questioning • Guided Practice • Homework	• Direct Questioning • Guided Practice • Homework	• Direct Questioning • Board Practice • Homework	• Direct Questioning • Guided Practice • Homework
Homework	Read Sec. 7.1 p. 325-330 on Slope Fields.	No homework.	p. 342 #'s 3-15 mult of 3, 17-29 odd.	p. 343 #'s 31-45 odd, 47-51 mult of 3.	No homework.