Name: Mrs. Woods	Grading Quarter: 2	Week Beginning: 10/23/23
School Year: 23-24	Subject: AP Calculus AB	

	Notes:	Objective / Lesson Overview	Academic Standards
Monday	Notes:	Objective: Student will be able to solve optimization problems with derivatives. Lesson Overview: Notes: How are optimization problems the same as finding absolute extrema? Find critical points and end points. Set up candidate's test. Do Pg. 358 #1, 2, and 9 together Use the remainder of the time for independent practice.	Academic Standards: 5.10 Introduction to Optimization Problems 2.A Identify common underlying structures in problems involving different contextual situations. 5.11 Solving Optimization Problems 3.F Explain the meaning of mathematical solutions in context.
Tuesday	Notes:	Objective: Students will be able to find basic antiderivatives. Lesson Overview: Notes: Start with polynomial functions and "go backwards" with the power rule. What do we need to do to account for coefficients? Introduce trig and exponential rules. Solve introductory differential equations with an initial condition.	Academic Standards: 6.8 Finding Antiderivatives and Indefinite Integrals: Basic Rules and Notation 4.C Use appropriate mathematical symbols and notation.
Wednesday	Notes:	Objective: Students will be able to find basic antiderivatives. Lesson Overview: *This is a continuation of yesterday's lesson.* Use homework questions to guide today's practice. Kahoot: Basic antiderivatives.	Academic Standards: 6.8 Finding Antiderivatives and Indefinite Integrals: Basic Rules and Notation 4.C Use appropriate mathematical symbols and notation.

Thursday	Notes:	Objective: Students will be able to show mastery of chapter 4 concepts on the chapter review. Lesson Overview: Play "100" with review questions from the textbook.	Academic Standards: 5.10 Introduction to Optimization Problems 2.A Identify common underlying structures in problems involving different contextual situations. 5.11 Solving Optimization Problems 3.F Explain the meaning of mathematical solutions in context. 6.8 Finding Antiderivatives and Indefinite Integrals: Basic Rules and Notation 4.C Use appropriate mathematical symbols and notation.
Friday	Notes:	Objective: Students will be able to show mastery of chapter 4 concepts on the chapter test Lesson Overview: Students will take the Chapter 4 test.	Academic Standards: 5.10 Introduction to Optimization Problems 2.A Identify common underlying structures in problems involving different contextual situations. 5.11 Solving Optimization Problems 3.F Explain the meaning of mathematical solutions in context. 6.8 Finding Antiderivatives and Indefinite Integrals: Basic Rules and Notation 4.C Use appropriate mathematical symbols and notation.