Name: Mrs. Woods	Grading Quarter: 2	Week Beginning: 10/30/23
School Year: 23-24	Subject: AP Calculus AB	

	Notes:		
Monday	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.
Tuesday	Notes:	Objective: Students will be able to calculate a Riemann sum. Lesson Overview: Notes – Approximating the area under a curve with rectangles Find left, right, midpoint, and trapezoidal sums	Academic Standards: 6.2 Approximating Areas with Riemann Sums 1.F Explain how an approximated value relates to the actual value.
Wednesday	Notes:	Objective: Students will be able to write integrals as a limit of a Riemann sum. Lesson Overview: Use note guide on Khan Academy to teach how to write integral in sum notation Use matching activity to practice identifying and understanding sum notation Use calculator to find sum with technology	Academic Standards: 6.3 Riemann Sums, Summation Notation, and Definite Integral Notation 2.C Identify a re-expression of mathematical information presented in a given representation.
Thursday	Notes:	Objective: Students will be able to integrate with FTC. Lesson Overview: Notes – Teach part 1 and part 2 of FTC. Focus on definite integrals. Basic properties (when integrating from a to a and also when a and b are switched).	Academic Standards: 6.4 The Fundamental Theorem of Calculus and Accumulation Functions 1.D Identify an appropriate mathematical rule or procedure based on the relationship between concepts (e.g., rate of change and accumulation) or processes (e.g., differentiation and its inverse process, anti-differentiation) to solve problems.

| Friday | Notes: | Objective: Students will be able to write integrals as a limit of a Riemann sum.

Lesson Overview:
Reteach/review Wednesday's lesson. | Academic Standards:
6.2 Approximating Areas with Riemann Sums 1.F Explain how an approximated value relates to the actual value.
6.3 Riemann Sums, Summation Notation, and Definite Integral Notation 2.C Identify a re-expression of mathematical information presented in a given representation. |