Name: Woods	Grading Quarter: 3	Week Beginning: 1/29/24
School Year: 23-24	Subject: AP Calc BC	

Monday	Notes:	Objective: Students will be able to use manipulate logistic growth models. Lesson Overview: Discuss the difference between exponential growth and logistic growth. Discuss carrying capacity in real-world context. Observe both formulas and graphs for the differential equations and solutions.	Academic Standards: 7.9 Logistic Models with Differential Equations 3.F Explain the meaning of mathematical solutions in context.
Tuesday	Notes:	Objective: Students will be able to use integrate improper integrals. Lesson Overview: Identify the characteristics of an improper integral. Type 1: limits of integration include infinity. Model problems on board and then break students in pairs to practice.	Academic Standards: 6.13 Evaluating Improper Integrals 1.E Apply appropriate mathematical rules or procedures, with and without technology
Wednesday	Notes:	Objective: Students will be able to use integrate improper integrals. Lesson Overview: Identify the characteristics of an improper integral. Type 2: limits of integration occur at a vertical asymptote. Model problems on board and then break students in pairs to practice.	Academic Standards: 6.13 Evaluating Improper Integrals 1.E Apply appropriate mathematical rules or procedures, with and without technology
Thursday	Notes:	Objective: Students will be able to use integrate improper integrals. Lesson Overview: Continuation of previous lesson Teach the Comparison Test for Improper Integrals. Include proof examples.	Academic Standards: 6.13 Evaluating Improper Integrals 1.E Apply appropriate mathematical rules or procedures, with and without technology

Friday	Notes:	Objective: Students will be able to determine appropriate methods for integrating. Lesson Overview: Mixed review on Khan Academy	Academic Standards: 6.12 Integrating Using Linear Partial Fractions 1.E Apply appropriate mathematical rules or procedures, with and without technology Academic Standards: 6.13 Evaluating Improper Integrals 1.E Apply appropriate mathematical rules or procedures, with and without technology