Name: Woods	Grading Quarter: 3	Week Beginning: 1/15/24
School Year: 23-24	Subject: AP Calc BC	

Monday	Notes:	No school	Academic Standards:
Tuesday	Notes:	Objective: Students will be able to use Euler's method to approximate the solution to a differential equation. Lesson Overview: More advanced examples from AP tests (AP FRQ 2013) Reteach: Solving separable differential equations Compare solutions to approximations from Euler's method	Academic Standards: 7.5 Approximating Solutions Using Euler's Method 1.E Apply appropriate mathematical rules or procedures, with and without technology.
Wednesday	Notes:	Objective: Students will be able to find the arc length of a curve. Lesson Overview: Quick proof of formula Notes: examples in both x and y Work in pairs to integrate and solve	Academic Standards: 8.13 The Arc Length of a Smooth, Planar Curve and Distance Traveled 3.D Apply an appropriate mathematical definition, theorem, or test.
Thursday	Notes:	Objective: Students will be able to find the arc length of a curve. Lesson Overview: Continuation of previous lesson AP examples of arc length With and without calculator Practice independently on Khan Academy	Academic Standards: 8.13 The Arc Length of a Smooth, Planar Curve and Distance Traveled 3.D Apply an appropriate mathematical definition, theorem, or test.
Friday	Notes:	Objective: Students will be able to use Euler's method to approximate the solution to a differential equation. Euler's Method Quiz	Academic Standards: 7.5 Approximating Solutions Using Euler's Method 1.E Apply appropriate mathematical rules or procedures, with and without technology.