Name: Woods	Grading Quarter: 3	Week Beginning: 2/26/24
School Year: 23-24	Subject: AP Calc BC	

Monday	Notes:	Objective: Students will be able to determine the convergence or divergence of series. Lesson Overview: Notes: Alternating Series Test Include error bound, absolute vs conditional convergence, and Khan Academy practice	Academic Standards: 10.7 Alternating Series Test for Convergence 3.D Apply an appropriate mathematical definition, theorem, or test. 10.10 Alternating Series Error Bound 1.E Apply appropriate mathematical rules or procedures, with and without technology.
Tuesday	Notes:	Objective: Students will be able to determine the convergence or divergence of series. Lesson Overview: Notes: Ratio Test Include absolute vs conditional convergence	Academic Standards: 10.8 Ratio Test for Convergence 3.D Apply an appropriate mathematical definition, theorem, or test. 10.9 Determining Absolute or Conditional Convergence 3.D Apply an appropriate mathematical definition, theorem, or test.
Wednesday	Notes:	Objective: Students will be able to determine the convergence or divergence of series. Lesson Overview: Notes: Power Series Include definition, basic examples, radius of convergence, interval of convergence Include examples when the series is unknown but specific facts about radius or interval are known. Show students how to use the process of elimination to answer multiple choice questions.	Academic Standards: 10.13 Radius and Interval of Convergence of Power Series 2.C Identify a re-expression of mathematical information presented in a given representation. 10.15 Representing Functions as Power Series 3.D Apply an appropriate mathematical definition, theorem, or test.
Thursday	Notes:	Objective: Students will be able to determine the convergence or divergence of series. Lesson Overview: Notes: Power Series (Again) Differentiate and integrate examples Term by term and sigma notation	Academic Standards: 10.13 Radius and Interval of Convergence of Power Series 2.C Identify a re-expression of mathematical information presented in a given representation. 10.15 Representing Functions as Power Series 3.D Apply an appropriate mathematical definition, theorem, or test.

Friday	Notes:	Objective: Students will be able to determine the convergence or divergence of series. Lesson Overview: Begin Taylor Series Build e^x using tangent lines and derivatives Show how multiple derivatives create factorials	Academic Standards: 10.11 Finding Taylor Polynomial Approximations of Functions 3.D Apply an appropriate mathematical definition, theorem, or test. 2.C Identify a re-expression of mathematical information presented in a given representation.