1. Parametric Equations ( 2 weeks )
2. Introduction to Series ( 1 week)
3. Series Convergence ( 1-2 weeks)
4. Series Manipulation (3 weeks)
5. Arc Length (1 week)
6. Euler’s Method ( 1 week)
7. Improper Integrals (2 weeks)

And Review of AP Calculus AB Integration with Accumulation of Change (2 weeks)

1. Integration Techniques: Partial Fractions (1-2 weeks)

With Review of AP Calculus AB topics of Integration formulas and techniques (2 weeks)

1. Integration Techniques: Integration by Parts (1-2 weeks)
2. The Calculus of Polar Functions (2-3 weeks)

**Review of AP Calculus AB topics** including : (8-9 weeks)

Limits and Continuity;

Differentiation: Definition and Fundamental Properties,

Differentiation: Composite, Implicit, and Inverse Functions

Contextual Applications of Differentiation ;

Analytical Applications of Differentiation;

Differential Equations;

Applications of Integration;