Unit Topic	Calculus Unit 2 - Limits and Their Properties
Standards	

Unit Essential Question	How do you find limits of functions analytically, graphically and numerically?

Lesson 1 Focus Finding Limits Graphically and Numerically **Standards** **Students Will Know… (Key Vocabulary)** limit	**Students Will Be Able To…** 1. Estimate a limit using a numerical or graphical approach 2. Learn different ways that a limit can fail to exist	**Lesson Essential Question 1** How do we find a limit?
Lesson 2 Focus Evaluating Limits Analytically **Standards** **Students Will Know… (Key Vocabulary)** direct substitution, rationalizing	**Students Will Be Able To…** 1.Evaluate a limit using properties of limits 2. Evaluate a limit using dividing out and rationalizing techniques 3. Evaluate a limit using the Squeeze Theorem	**Lesson Essential Question 2** How do we evaluate limits analytically?
Lesson 3 Focus Continuity and One-Sided Limits **Standards** **Students Will Know… (Key Vocabulary)** continuous, removable and nonremovable discontinuities, one-sided limit	**Students Will Be Able To…** 1. Determine continuity at a point and continuity on an open interval 2. Determine one-sided limits and continuity on a closed interval 3. Use properties of continuity 4. Understand and use the Intermediate Value Theorem	**Lesson Essential Question 3** How do we decide if a function is continuous?
Lesson 4 Focus Infinite Limits **Standards** **Students Will Know… (Key Vocabulary)** infinite limits, vertical asymptotes	**Students Will Be Able To…** 1. Determine infinite limits from the left and from the right 2. Find and sketch the vertical asymptotes of the graph of a function	**Lesson Essential Question 4** How do we determine infinite limits?
Lesson 5 Focus **Standards** **Students Will Know… (Key Vocabulary)**	**Students Will Be Able To…**	**Lesson Essential Question 5**

Major Unit Assignment	