**Snake River High School**

**Class-Calculus A**

**Course Description – The students will study Prerequisites for Calculus, Limits and Continuity, and Derivatives.**

**Textbook-Calculus: Graphical, Numerical, Algebraic AP Edition @2007- Pearspn Prentice Hall**

|  |  |
| --- | --- |
| **Chapter 1** | **Prerequisites for Calculus** |
| 1-1 | To Study Equations of Lines and Slopes of Lines. |
| 1-2 | To Study Functions and there Graphs. |
| 1-3 | To Study Exponential Functions and there Graphs. |
| 1-4 | To Study Parametric Equations with Ellipses, Circles, and Lines. |
| 1-5 | To Study Functions and Logarithms, especially Inverses. |
| 1-6 | To Study Trigonometric Functions and there Properties. |

Approximately 15 Days

|  |  |
| --- | --- |
| **Chapter 2** | **Limits and Continuity** |
| 2-1 | To Study Rates of Change and Limits. |
| 2-2 | To Study Limits involving Infinity. |
| 2-3 | To Study Continuity at a certain Point and of the Entire Graph. |
| 2-4 | To Study Rates of Change and Tangent Lines. |

Approximately 15 Days

|  |  |
| --- | --- |
| **Chapter 3** | **Derivatives** |
| 3-1 | To Study Derivatives of a Function and the Definition of a Derivative. |
| 3-2 | To Study Differentiability. |
| 3-3 | To Study the 7 Rules of Differentiation. |
| 3-4 | To Study Velocity and Other Rates of Change as Derivatives. |

Approximately 15 Days

**Grading Breakdown**:

Homework 20% Retakes will be given according to the retake policy

Tests 70% decided on by the leadership team.

Final Test 10%