### **Course Materials**

* Unit Packet Handouts
* Google Classroom
* Scientific Calculators

## **Course Outline**

* **Unit 1: Real Numbers**
  + Integers, Integer Operations, and Absolute Value
  + Fractions, Decimals, and Percents
  + Operations with Fractions
  + Exponents, Zero Exponent, Negative Exponents
  + Perfect Squares, Square Roots, Non-Perfect Squares, Perfect Cubes, and Cube Roots
  + Scientific Notation, Comparing & Ordering Number Forms
  + Order of Operations
  + Evaluating Expressions
  + The Real Number System
  + Properties of Real Numbers
* **Unit 2: Algebraic Expressions**
  + Translating Expressions
  + Combine Like Terms
  + Distributive Property
  + Factoring Linear Expressions
  + Operations with Monomials
  + Exponent Rules
  + Adding and Subtracting Polynomials
* **Unit 3: Equations and Inequalities**
  + Solving One-Step Equations
  + Solving Rational Equations
  + Solving Two-Step Equations
  + Solving Equations by Square Roots
  + Solving Multi-Step Equations
  + Solve and Graph Linear Inequalities
* **Unit 4: Ratios, Proportions, and Percentages**
  + Ratios, Rates, and Unit Rates
  + Proportional Relationships
  + Solving Proportions
  + Percent Proportion
  + Percent Equation
  + Percent of Change
  + Simple Interest
* **Unit 5: Functions and Linear Relationships**
  + Coordinate Plane
  + Graphing Linear Equations
  + Rate of Change/Slope
  + Slope Formula
  + Standard Form
  + Vertical and Horizontal Lines
  + Linear vs. Nonlinear Equations
  + Slope-Intercept Form
  + Proportional Relationships

## **Grading Policy**

| **Points** | **Description** |
| --- | --- |
| 60% | Assessments: Quizzes, Tests, Exams |
| 20% | Homework Problem Sets |
| 20% | Classwork: Handouts, Desmos, Quizizz, Blooket, Note-Taking, Problem Sets |

### **Late Work Policy**

If you are absent, the district policy is a 1 for 1 make-up where you get 1 day for each day of absence to make-up and submit missing work. Students are strongly encouraged to attend office hours during common lunch following an absence to make-up or for extra help with missed lessons.