

7th Grade Pre-Algebra (E) Syllabus 2008-2009

Please note that we may deviate from this as the year progresses.

Chapter 1: The Tools of Algebra

- Problem Solving
- Order of Operations
- Variables, Expressions, Equations
- Properties
- Ordered Pairs, Scatter Plots

Chapter 2: Integers

- Integers, Absolute Value, Comparing and Ordering
- Operations with Integers
- Graphing Points on a Coordinate Plane

Chapter 3: Equations

- Using the Distributive Property
- Solving Equations
- Using Formulas

Chapter 4: Factors and Fractions

- Factors and Operations with Monomials
- Powers and Exponents
- Prime Factorization, GCF
- Scientific Notation

Chapter 5: Rational Numbers

- Operations with Rational Numbers
- LCM, LCD
- Solving Equations with Rational Numbers
- Mean, Median, Mode
- Arithmetic and Geometric Sequences

Chapter 6: Ratio, Proportion, and Percent

- Ratios, Rates, Proportions
- Fractions, Decimals, Percents
- Using Percent Proportions and Equations