

Accelerated Math 7 Curriculum

This is a rigorous, full-year middle school course with emphasis preparing students for Algebra 1 or Algebra Honors. This course is a one-year preparation for a study of Algebra 1 topics. Key strands include algebra, simplifying/evaluating expressions, problem-solving with linear equations/inequalities, ratio and proportion, linear functions, percents, measurement, area and volume, probability, polynomials, geometric constructions, right triangle relationships, angle relationships and transformations and data analysis. The Math Practice will complement these critical content standards so that students engage with the subject matter as they grow in mathematical mastery during their middle school years.

Chapter Topic List:

1. Variables, Expressions and Integers
2. Solving Equations
3. Multi-Step Equations and Inequalities
4. Factors, Fractions and Exponents
5. Rational Numbers and Equations
6. Fractions and Rational Expressions
7. Percents
8. Linear Functions
9. Real Numbers and Right Triangles
10. Data Analysis and Probability
11. Polynomials and Nonlinear Functions
12. Angle Relationships and Transformations