

Common Core Math 8

This is a rigorous full year course with a focus on key Algebra 1 Concepts with emphasis on theory and application beyond mechanical processes. The concepts taught include solving one and two step linear equations, exponents, solving a system of equations, factoring quadratic polynomials, solving polynomial equations, functions, word problems related to work, cost and mixture. 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. Introduction to Algebra
2. Working with Real Numbers
3. Solving Equations and Problems
4. Polynomials
5. Factoring Polynomials
6. Fractions and Rational Expressions
7. Applying Fractions
8. Introductions to Functions
9. Systems of Linear Equations
10. Inequalities
11. Rational and Irrational Numbers
12. Quadratic Functions