

Algebra 1 Curriculum

Springboard

1. UNIT 1 Equations and Inequalities
 - a. Patterns
 - b. Solving Equations
 - c. Solving Inequalities
 - d. Absolute Value Equations and Inequalities
2. UNIT 2A Functions
 - a. Function Notation
 - b. Interpreting Graphs
 - c. Graphs of Functions
 - d. Transformations of Functions
 - e. Rate of Change
3. UNIT 2B Linear Functions
 - a. Forms of Linear Functions
 - b. Equations from Data
4. UNIT 3 Extensions of Linear Concepts
 - a. Comparing Equations
 - b. Inequalities with two variables
 - c. Solving systems of linear equations
 - d. Solving systems of linear inequalities
5. UNIT 4A Exponents, Radicals, and Polynomials
 - a. Exponent Rules
 - b. Operations with Radicals
 - c. Exponential Functions
 - d. Modeling Exponential Functions
 - e. Adding and Subtracting Polynomials
 - f. Multiplying Polynomials
6. UNIT 4B Factoring
 - a. Factoring GCF and Special Product
 - b. Factoring Trinomials
 - c. Simplifying Rational Expressions
7. UNIT 5 Quadratic Functions
 - a. Modeling and analyzing quadratics
 - b. Graphing quadratic functions
 - c. Solving quadratic equations by graphing and factoring
 - d. Solving quadratic equations by algebraic methods
 - e. Applying quadratic equations
 - f. Systems of equations graphically and algebraically

8. UNIT 6 Prob and Stats
 - a. Scatterplots
 - b. Mean, Median, Mode
 - c. Correlation
 - d. Line of best fit