

ALGEBRA 1

Grade Level: 9, 10, 11, 12

Credit: 0.5 or 1.0

Prerequisite: None

Algebra 1 continues the study of algebraic concepts including operations with real numbers and polynomials; relations and functions; creation, graphing, and application of linear functions and relations; and an introduction to non-linear functions. Appropriate technology, from manipulatives to calculators and application software, will be used regularly for instruction and assessment.

ALGEBRA 1 LESSONS

Teacher Message

Lesson 1- Fraction Review

Lesson 2- Order of Operations

Lesson 3- Combining Like Terms and Properties

Lesson 4- Solving Equations

Lesson 5- Measures of Central Tendency

Lesson 6- Solving Inequalities

Lesson 7- Review

Lesson 8- Solving Absolute Equations

Lesson 9- Linear Equations

Lesson 10- Introduction to Graphing

Lesson 11- Slope Intercept Form of an Equation

Lesson 12- Point-Slope Form of an Equation

Lesson 13- Standard Form of an Equation



Lesson 14- Review of Applications of Linear Equations

Lesson 15- Graphing Systems of Linear Equations

Lesson 16- Solving Systems of Equations using Substitution Method and Elimination Method

Lesson 17- Applications of Systems of Linear Equations

Lesson 18- Exponents and Scientific Notation

Lesson 19- Adding and Subtracting Polynomials

Lesson 20- Multiplying and Dividing Polynomials

Lesson 21- Factoring Polynomials

Lesson 22- Solving Quadratics by Factoring and Graphing

Lesson 23- Review

Lesson 24- Probability

Lesson 25- Functions, Notation

Lesson 26- Multiplying and Dividing Rational Expressions

Lesson 27- Adding and Subtracting Rational Expressions

Lesson 28- Solving Rational Equations

Lesson 29- Review

Lesson 30- Skills Assessment

