Algebra 1 curricular Map

Algebra 1
1st Quarter Concepts

Properties of number sets, and solving Equations and Inequalities

Tools of Algebra
3.5 weeks

Solving equations
3.5 weeks

Solving Inequalities
2 weeks

2nd Quarter Concepts
Rates, functions, and multi variable equations

Ratios, rates, proportions, and percents
2 weeks

Functions, tables, and graphs
4 weeks

Multi variable equations
3 weeks

3rd Quarter Concepts

Systems of equations, Exponents, and polynomials

Solving systems of equations by graphing, substitution, and elimination
3 weeks

Exponential properties, Multiplying and dividing exponents, & geometric sequences
3 weeks

Polynomial properties, multiplying polynomials, factoring polynomials
3 weeks.

4th Quarter Concepts
Quadratic functions, radicals, and rational expressions

Properties of quadratics, quadratic equation, completing the square
3 weeks

3rd Quarter Concepts

Systems of equations, Exponents, and polynomials

Solving systems of equations by graphing, substitution, and elimination
3 weeks

Exponential properties, Multiplying and dividing exponents, & geometric sequences
3 weeks

Polynomial properties, multiplying polynomials, factoring polynomials
3 weeks.

4th Quarter Concepts
Quadratic functions, radicals, and rational expressions

Properties of quadratics, quadratic equation, completing the square
3 weeks