

8th Grade Honors Math** Algebra 1

Eighth graders will build upon the concepts learned from previous math courses.

8th Grade

During this year the students will cover the second half of the Algebra 1 textbook.

Concepts taught may include:

- *Solving systems by graphing
- *Solving systems by substitution and elimination
- *Working with linear inequalities
- *Working with exponents and exponential functions
- *Polynomials – adding, subtracting, and multiplying
- *Using FOIL to multiply
- *Factoring polynomials and trinomials
- *Working with quadratic equations and functions
- *Graphing quadratic functions
- *Solving quadratic equations – using the quadratic formula
- *Using the discriminant
- *Radical expression
- *Simplifying radicals
- *Operations with radicals
- *Solving radical equations
- *Square root functions
- *Working with rational expressions and functions
- *Problem solving (all year)

****These concepts are subject to change as needed.**