JR. HIGH MATH (6-8 grades)

6th Grade

- Fractions
- Order of Operations
- Linear Measure
- Sequences, Scales
- Exponents
- Place Value
- Problem Solving-Multiple Step
- Rounding
- Negative Numbers Graphs/Graphing
- Roman Numerals
- Greatest Common Factor
- Least Common Multiple
- Prime Factorization
- Centra Tendency

- Expanded Notation
- Prime numbers/complete numbers
- Polygons
- Subtraction with regrouping/borrowing
- Area, perimeter, volume, circumference
- Ratios/proportions
- Geometric formulas
- Probability
- Two step equations
- Percent/interest
- Average
- Decimals
- Square roots, inequalities
- Graphing inequalities
- Pythagorean theorem

7th Grade

- Place value
- Rounding
- Problem solving
- Angles
- Simple/compound interest
- Fractions
- Metric conversions
- Central tendency measuring
- Order of operation
- Variables, evaluation
- Multiple term equations
- Ratio and proportion
- Circumference
- Linear equations and graphing slopes

- Exponents/roots
- Inequalities
- Absolute value
- Integers – subtract, multiply, divide
- Perimeter, area, volume – complex shapes
- Quadratic equations
- Multiplication of exponential expressions
- Roman Numerals
- Compass construction – angles, triangles
- Angles
- Evaluation of Exponential expressions
- Surface area
- Decimals
- Pythagorean theorem
- Polynomials

8th Grade

- Geometric/Arithmetic Series & Sequence
- Intro to Geometry Concepts
- Expressions-simplification, adding, multiplying
- Domain & range
- Solving systems of equations
- Systems of equations with subscripted variables
- Quadratic equations-solving and factoring polynomials

- Slope intercept factoring
- Pythagorean theorem
- Square root tables
- Subsets
- Distributive, additive, commutative properties
- Complex numbers
- Functions
- Inequalities
- Radical expressions