

Grade 6 Math Curriculum

- Whole Numbers, Decimals, and Algebra
 - Place value including powers of 10
 - Comparing and ordering
 - Adding, subtracting, multiplying and dividing whole numbers
 - Adding and subtracting decimals
 - Addition properties
 - Multiplication properties
 - Order of operations
 - Divisibility
 - Prime and composite numbers
 - Prime factorization
 - Greatest common factor
 - Least common multiple
- Fractions and Decimals
 - Equivalent fractions
 - Relating fractions, mixed numbers and decimals
 - Comparing and ordering fractions and decimals
 - Relating decimals and percents
 - Estimating sums, differences, products and quotients
 - Adding and subtracting with like denominators
 - Adding and subtracting with unlike denominators
 - Multiplying fractions and mixed numbers
 - Dividing fractions and mixed numbers
 - Multiplying and dividing decimals
 - Terminating and repeating decimals
- Measurement, Data and Graphing
 - Customary system
 - Metric system
 - computing with measurements
 - Perimeter and area
 - Surveys and sampling
 - Bias
 - Measures of central tendency
 - Clusters, gaps and outliers
 - Frequency tables, histograms, double line graphs, stem-and-leaf plots, box-and-whisker plots
- Integers and Algebra
 - Comparing and ordering integers
 - Adding, subtracting, multiplying and dividing integers
 - Writing expressions and equations

- Solving equations using adding, subtracting, multiplying and dividing
 - Solving two-step equations
 - Coordinate plane
 - Sequences and patterns
 - Functions
 - Graphing functions
- Geometry
 - Angle pairs
 - Transversals
 - Measuring, drawing and classifying angles
 - Triangles
 - Circles
 - Polygons
 - Congruent and similar figures
 - Transformations
 - Area and perimeter of polygons
 - Circumference and area of circles
 - Solid figures
 - Volume
 - Surface area
- Ratio, Proportion, Percent and Probability
 - Ratios and equivalent ratios
 - Rates
 - Proportions
 - Percents as ratios
 - Relating fractions, decimals and percents
 - Percent estimation
 - Finding percent of a number
 - Finding number when percent is known
 - Simple interest
 - Probability
 - Combinations and permutations
 - solving by graphing, substitution and elimination
 - solving special systems
 - solving linear inequalities
 - solving special systems of inequalities