Math Year At A Glance

Teacher: Rick Devereux

	September	October	November	December	January	February	March	April	May	June
6th Grade	**Ratios and Rates** Factors and Multiples, Ratio Tables, Graphs, Equivalent Ratios	**Fractions, Decimals, and Percents** Percents greater than 100% and less than 1%, Comparing and ordering fractions, Percent of a number	**Compute with Multi-Digit Number** Add and subtract decimals, Estimate Products, Multiply and divide decimals, Estimate quotients	**Multiply and Divide Fractions** Estimate products of fractions, Multiply fractions, Multiply mixed numbers, Dividing whole numbers, fractions and mixed numbers		**Integers and the Coordinate Plane** Graphs, Absolute value, Compare and order integers, Terminating and repeating decimals	**Expressions** Powers and exponents numerical expressions, Variables and expressions, Distributive property, Equivalent expressions	**Equations** Solve and write addition, subtraction, multiplication, and division equations	**Functions and Inequalities** Tables, Rules, Writing and graphing inequalities, Solve one-step inequalities	**Area** Parallelograms, Triangles, Trapezoids, Changes in Dimensions, Polygons
6th Grade Accelerated	**Ratios and Proportional Reasoning** Rates, Complex fractions, Unit rates, Proportionality, Constant rate of change, Slope	**Percents** Percent of a number, Percent proportion, Percent equation, Sales tax, Tips, Markup, Discount	**Integers** Integers and absolute value, Adding, Subtracting, Multiplying and dividing integers	**Rational Numbers** Terminal and repeating decimals, add and subtract fractions, multiply and divide fractions		**Expressions** Algebraic expression, Sequence, Distributive property, Linear expressions	**Equations and Inequalities** One-step addition and subtraction, Multiplication and division, Two-step equations	**Geometric Figures** Classify angles, Complementary and supplementary angles, Triangles, Scale drawings, 3D figures, Cross sections	**Measure Figures** Circumference, area of circles, area of composite figures, volumes	**Probability** Probability of simple events, Theoretical and experimental probability, Compound events
7th Grade	**Ratios and Proportional Reasoning** Rates, Complex fractions, Unit rates, Proportionality, Constant rate of change, Slope	**Percents** Percent of a number, Percent proportion, Percent equation, Sales tax, Tips, Markup, Discount	**Integers** Integers and absolute value, Adding, Subtracting, Multiplying and dividing integers	**Rational Numbers** Terminal and repeating decimals, add and subtract fractions, multiply and divide fractions		**Expressions** Algebraic expression, Sequence, Distributive property, Linear expressions	**Equations and Inequalities** One-step addition and subtraction, Multiplication and division, Two-step equations	**Geometric Figures** Classify angles, Complementary and supplementary angles, Triangles, Scale drawings, 3D figures, Cross sections	**Measure Figures** Circumference, area of circles, area of composite figures, volumes	**Probability** Probability of simple events, Theoretical and experimental probability, Compound events
7th Grade Accelerated	**Real Numbers** Number theory, Powers and exponents, Multiply and divide Monomials, Negative exponents and scientific notation, Roots	**Equations In One Variable** Rational coefficients, Solve two-step equations, Multi-step equations	**Equations in Two Variables** Constant rate of change, Slope, Y=MX, Slope intercept form, Graphing and writing linear equations, System equations	**Functions** Linear functions, Compare properties of functions, Linear and nonlinear functions, Quadratic functions To		**Triangles and the Pythagorean Theorem** Lines, Geometric proof, Angles of triangles, Polygons and angles, Pythagorean theorem	**Transformations** Translations, Reflections, Rotations, Dilations	**Congruence and Similarity** Transformations and congruence and similarity, Properties of similar polygons, Similar triangles, Slope	**Volumes and Surface Area** Cylinders and Surface Area Cylinder, Cones, Spheres	Scatter Plots and Data Analysis Scatter plots, Lines of best fit, Two way tables
8th Grade	Real Numbers Number theory, Powers and exponents, Multiply and divide Monomials, Negative exponents and scientific notation, Roots	**Equations In One Variable** Rational coefficients, Solve two-step equations, Multi-step equations	**Equations in Two Variables** Constant rate of change, Slope, Y=MX, Slope intercept form, Graphing and writing linear equations, System equations	**Functions** Linear functions, Compare properties of functions, Linear and nonlinear functions, Quadratic functions		**Triangles and the Pythagorean Theorem** Lines, Geometric proof, Angles of triangles, Polygons and angles, Pythagorean theorem	**Transformations** Translations, Reflections, Rotations, Dilations	**Congruence and Similarity** Transformations and congruence and similarity, Properties of similar polygons, Similar triangles, Slope	**Volumes and Surface Area** Cylinders and Surface Area Cylinder, Cones, Spheres	
8th Grade Accelerated	**Expressions and Functions** Variables, Order of operation, Properties of numbers, Functions, Graphs	**Linear Function** Writing equations, Solving one-step equations and with a variable on each side, Ratios and proportions	**Linear and Nonlinear Functions** Graphing, Zeros of linear functions, Rate of change, Slope intercept form, Transformations, Arithmetic sequences	**Equations of Linear Functions** Slope intercept form, Standard and point slope forms		**Linear Inequalities** Adding, Subtracting, Multiplication and division to solve equations, Solving compound inequalities, multi-step inequalities, Graphing	**Systems of Linear Equations and Inequalities** Graphing, Substitutions, Elimination, Systems of equalities and inequalities	**Exponents and Exponential Functions** Multiplication and division properties of expressions, Rational exponents, Radical expressions	**Polynomials** Adding and subtracting polynomials, Multiplying a polynomial by monomial, Multiplying polynomials, Special products	

Service Projects										
Field Trips										