

Math Year At A Glance

Teacher: Lindsay Southwick

	September	October	November	December	January	February	March	April	May	June
6th Grade	Fractions, Decimals, and Percents Percents greater than 100% and less than 1%, Comparing and ordering fractions, Percent of a number	Ratios and Rates Factors and Multiples, Ratio Tables, Graphs, Equivalent Ratios	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	Area and Volume Parallelograms, Triangles, Trapezoids, Changes in Dimensions, Polygons	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
6th Grade Accelerated	Percents Percent of a number, Percent proportion, Percent equation, Sales tax, Tips, Markup, Discount	Ratios and Proportional Reasoning Rates, Complex fractions, Unit rates, Proportionality, Constant rate of change, Slope	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	Probability Probability of simple events, Theoretical and experimental probability, Compound events	Measure Figures Circumference, area of circles, area of composite figures, volumes
7th Grade	Percents Percent of a number, Percent proportion, Percent equation, Sales tax, Tips, Markup, Discount	Ratios and Proportional Reasoning Rates, Complex fractions, Unit rates, Proportionality, Constant rate of change, Slope	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	Probability Probability of simple events, Theoretical and experimental probability, Compound events	Measure Figures Circumference, area of circles, area of composite figures, volumes

7th Grade Accelerated	Operations with Integers Algebraic Words and Expressions, Properties, Integers, Absolute Value, Graphing	Operations with Rational Numbers Operations with Fractions	Expressions and Equations Distributive Property, Solving One-Step Equations, Solving Two-Step Equations, Solving Multi-Step Equations, Solving Inequalities	Ratio, Proportion, Similar Figures Unit Rates, Converting Measurements, Scale Drawings, Similar Figures, Dilations, Indirect Measurement	Percent Fractions, Decimals, Percent, Percent Proportion, Percent Equations, Circle Graphs	Linear Functions and Graphing Functions, Rate of Change, Slope, Slope-Intercept Form, Writing Linear Equations	Powers and Nonlinear Functions Powers, Exponents, Prime Factorization, Multiply and Divide Monomials, Negative Exponents, Quadratic Functions	Real Numbers and Right Triangles Squares and Square Roots, Real Number System, Triangles, Pythagorean Theorem, Special Right Triangles, Distance Formula	Distance, Angle, Volume, Surface Area Congruent Triangles, Area of Parallelograms, Triangles, Trapezoids and Circles, Volume and Surface Area of Prisms and Cylinders	
8th Grade	Operations with Integers Algebraic Words and Expressions, Properties, Integers, Absolute Value, Graphing	Operations with Rational Numbers Operations with Fractions	Expressions and Equations Distributive Property, Solving One-Step Equations, Solving Two-Step Equations, Solving Multi-Step Equations, Solving Inequalities	Ratio, Proportion, Similar Figures Unit Rates, Converting Measurements, Scale Drawings, Similar Figures, Dilations, Indirect Measurement	Percent Fractions, Decimals, Percent, Percent Proportion, Percent Equations, Circle Graphs	Linear Functions and Graphing Functions, Rate of Change, Slope, Slope-Intercept Form, Writing Linear Equations	Powers and Nonlinear Functions Powers, Exponents, Prime Factorization, Multiply and Divide Monomials, Negative Exponents, Quadratic Functions	Real Numbers and Right Triangles Squares and Square Roots, Real Number System, Triangles, Pythagorean Theorem, Special Right Triangles, Distance Formula		
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, Direct Variation, Arithmetic sequences	Equations of Linear Functions Slope intercept form, Standard and point slope forms, Parallel and Perpendicular lines	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, Factoring Trinomials, Solving Quadratics, Graphing and Solving Quadratic Functions		
Service Projects					Homeless Connect					
Field Trips						8th Grade Retreat	Washington DC	Zoo Trip with Kinder Buddies	TBD - Top Golf or X-Golf	