

Year at a Glance – 3rd Grade

Math Curriculum						Extensions	
6 weeks	Math Topics	TEK Objective	Concepts to Learn	Vocabulary		Projects	
1	Place Value of whole numbers Addition and Subtraction of whole numbers Rounding whole numbers Problem solving strategies Money- coins and bills Locating points on a number line	3.1(a), (b), (c) 3.3 (a), (b) 3.5 a, b 3.6 (a) 3.10 3.14 c, (d) 3.16 (b)	Place value of whole numbers through the hundred thousands Expanded and standard forms of numbers Rounding whole numbers to the thousands place Adding and subtracting whole numbers Estimating sums and differences Properties of addition Determine the value of a collection of coins and bills Fact families Problem solving in given situations involving pictures, numbers and word forms.	Standard form Expanded form Word form even odd Fact families Inverse operations Round Pattern Difference Estimate	dividend addend regroup commutative property associative property Identity property expression variable equation ordered pair factor product	divisor quotient Square number identity property zero property identity property distributive property Sum Compatible numbers	What Number Am I? Writing number riddles Class Store
2	Time to the minutes and seconds a.m./p.m. Collecting data Pictograph, bar graph Geometric and number patterns Extending patterns	3.6(a) 3.12 (b) 3.13 (a), (b) 3.15 (c) 3.15 (a)	Read, write and tell time to the nearest half hour, quarter hour, and five minutes on analog and digital clocks in the a.m. and p.m. Collect, organize, and record data on tally tables and frequency tables Read and interpret data in a pictograph and bar graph Describe and extend geometric and numeric patterns Analyze repeating and growing patterns Translate patterns Identify missing parts in patterns	Hour Minute Quarter hour Half hour Analog Digital a.m./p.m.	data tally table frequency table pictograph key bar graph scale	survey results classify repeating pattern growing pattern	Class surveys Record data on various graphs Make macaroni jewelry in diff. patterns
3	Multiplication (0-12) Facts and Strategies Multiplication properties Fact families Division	3.4(a), (c) 3.3 (b) 3.6 (c) 3.7(a) 3.14 (a), (b), (c)	Relate addition to multiplication Use arrays to understand multiplication Solve problems by using draw the picture strategy Model division to repeated subtraction Relate multiplication to division	Factor Product Array Commutative, Identity, and Zero properties of multiplication Multiple Fact family	divide dividend quotient	divisor quotient	Array game Fact family mobiles
4	2-D figures Congruence Symmetry 3-D figures	3.8 3.9 (a),(b), (c) 3.14 (a), (d) 3.15 (a), (b) 3.16 (a), (b)	Classify types of lines and angles Identify and describe plane figures Classify triangles and quadrilaterals Identify the parts of a circle Identify and draw congruent figures and lines of symmetry	Point, line, line segment, ray, angle, vertex, right angle, obtuse angle, acute angle, intersecting lines, perpendicular lines, parallel lines, plane figure, polygon, triangle, quadrilateral, pentagon, hexagon, octagon, equilateral, scalene, right, obtuse and acute triangles, trapezoid, parallelogram, rhombus, circle, center, radius, diameter, congruent, symmetry, line of symmetry			Straw and pipe cleaner 3-D solids What Shape Am I? Geo Board Triangles
5	Customary Measurement Metric Measurement Perimeter Area Volume	3.11 (a), (b), (c) (d), (e), (f) 3.12 (a) 3.14 (c)	Estimate and measure length, capacity, and weight using appropriate customary units and metric units Estimate and measure temperature in degrees Fahrenheit Change metric units using multiplication and division Solving problems by making a table or acting it out Estimate and measure perimeter and area using standard and nonstandard units Estimate and find the volume of rectangular prisms made of cubes	Length, foot, yard, mile, capacity, cup, pint, quart, gallon, weight, ounce, pound, degrees, centimeter, decimeter, meter, kilometer, millimeter, liter, mass, gram, kilogram			Balobby Land-floor plans in cm (Investigation) Science Lab Stations

6	Fractions Probability Multiplication by 2 digits	3.2(b), (c), (d) 3.4 (b) 3.10 3.13 (c) 3.14 (c) 3.16 (b)	Identify and write fractions as parts of a whole and parts of a group Write equivalent fractions and fractions in simplest form Locate fractions on a number line Compare fractions Estimate and find products of 2 digit numbers Use arrays to model multiplication	Fraction, numerator, denominator, equivalent fractions, simplest form	Construct fraction models and create fraction problems
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