East Carter Co. R-II School District
Course Scope and Sequence

Course: 3rd grade Math

# OF DAYS	TOPICS
25	**Unit 1: Multiplication & Division** **Essential Question:** What strategies can I use to solve a problem when faced with multiplication or division? **Focus:** fluency of multiplication and division through 100, 　　properties of multiplication and division, 　　using properties of multiplication and division in problem solving **Concepts:** Commutative property, Distribute, Divide / division, Factors, Multiplication / multiply, Number of groups, Expression, Number bond, Tape diagram
15	**Unit 2: Time and Measurement** **Essential Question:** How can I solve problems using liquid volume, weight or time? How do I solve problems involving units of measurement using the four operations of mathematics? **Focus:** telling time to the nearest minute, 　　determining elapsed time within the hour, 　　solve addition and subtraction problems involving various units, 　　estimate various measurements such as volume, weight, and distance **Concepts:** Capacity, Endpoint, Gram, Interval, Kilogram, Liquid Volume, Liter, Plot, Point, Round, Analog Clock, Centimeter, Compose, Minute, Second, Number line

31	**Unit 3: Properties of Multiplication and Division** **Essential Questions:** How can I find products of multiplication sentences? How can I find quotients of division equations? How do I find multiples of 10's? **Focus:** find products, quotients, and identify arrays for multiplication problems **Concepts:** Commutative Property, Number Sentence, Distribute, Expression
15	**Unit 4: Find the Area** **Essential Questions:** How can I use a smaller rectangle to find the area of a larger one? How do I label an area in square units? **Focus:** understanding the concepts of area **Concepts:** Area, Unit, Square Unit, Tile
28	**Unit 5: Fractions as Numbers** **Essential Question:** How can I show two fractions are the same size and are equal if at at the same point on the number line? How can I show that fractions represent the same length in partitions? **Focus:** develop an understanding of fractions as numbers **Concepts:** Fraction form, Unit and Non-Unit Fractions, Partition, Equivalent Fractions, Unit Interval, Fractional Unit
11	**Unit 6: Display Data and Graph** **Essential Question:** How can I use pictographs, line graphs, and bar graphs to solve problems, organize, and work with data sets? **Focus:** create pictographs, line plots, and bar graphs along with being able to answer questions and solve one and two stop problems about their graphs **Concepts:** Frequent, Measurement data, Scaled Graph, Survey, Line Plot, Data
20	**Unit 7: Shapes and Measurements** **Essential Question:** How do the attributes of a shape help us identify a shape? How do you categorize the various types of quadrilaterals? How does perimeter relate to the area of a quadrilateral? **Focus:** reason with shapes and their attributes along with the understanding of the concept of perimeter **Concepts:** Attribute, Decompose, Parallel, Quadrilateral, Right Angle, Area, Perimeter

Course Description

In this course, students will be taught the Missouri Learning Standards for Math. The standards will be taught through 7 units that integrate numbers and operations, algebra, measurements and data, along with geometry.   Everyday students will be exposed to grade level problems and practice reading math problems, analyzing, and responding to these problems with appropriate solutions.