Fayette R-III

Daly Elementary- Curriculum Guide for 2nd Grade Math

Fayette R-III Mission: To educate all students to be ethical, successful citizens.

The Elementary Math Learning Goals are based on the Missouri Learning Standards. The Missouri Learning Standards define the knowledge and skills students need to succeed in college, other postsecondary training, and careers. Students are challenged to develop critical thinking and creative problem solving skills while engaging in careers within Science, Technology, Engineering, and Mathematics (STEM) related fields. This document outlines what each student should know and be able to do by the end of 2nd Grade Math.

Course Description: The major emphasis in second grade is on understanding place value and using an understanding of place value and understanding of addition and subtraction to add and subtract fluently. In Grade 2 instructional time will focus on: building fluency with addition and subtraction; using standard units of measure; and describing and analyzing shapes.

Course Rationale: Fayette R-III mathematics curriculum reflects the importance of mathematical literacy for all students. Mathematics is a fundamental skill used in all areas of life. Because students need to become lifelong mathematical learners to be successful in society, one goal of the mathematics department is to provide students with the necessary tools and opportunities to understand mathematical concepts. Real-world applications and situations will continually be incorporated. The curriculum is designed to be robust and relevant to the real world, reflecting the knowledge and skills the students need for success in future math courses, college, and careers. To meet these expectations, the curriculum is student-centered and will allow for exploration, discovery, conjecture, and application of mathematics.

2nd Grade Math Student Learning Goals	MO Learning Standards
1- Time Students can tell and write time to the nearest five minutes.	MA2.MD.7 MA1, 1.5
2- Money Given a set amount of money (dollar bills, quarters, dimes, nickels, and pennies) students can determine the value and solve problems.	MA2.MD.8 MA1, 1.5, 1.6
3- Measuring Length Students can accurately measure and estimate the length of an object to the nearest inch, foot, centimeter and meter and determine how much longer one object is than another.	MA2.MD1-4 MA2, 1.4
4- Shapes Students can recognize 2 and 3-dimensional shapes based on a given set of attributes.	MA2.G.1 MA2, 1.6
5- Fractions Students can divide circles and rectangles into two, three, or four equal parts and describe the parts using words halves, thirds, half of , a third of, etc.	MA2.G.2-3 MA2, 1.5, 1.6
6- Addition and Subtraction Students can demonstrate automaticity with all addition facts through 10 + 10 and fluency with the related subtraction facts.	MA2.OA.2 MA1, 1.5, 1.6, 3.4
7- Addition and Subtraction	MA2.OA.1,

Students can solve 2-digit addition and subtraction problems using a variety of strategies, explaining the strategy used.	MA2.NBT5-9, MA2.MD.6 MA1, 1.5, 1.6, 3.4, 3.7
8- Place Value Students can explain that the digits of a 3-digit number represent amounts of hundreds, tens, and ones. They can compare two 3-digit numbers using >, =, and < symbols and justify their thinking based on place value understanding.	MA2.NBT1,3,4 MA1, 1.6, 3.4, 3.7
9- Collect and organize data in tally charts, tables, and graphs and use the data to solve problems.	MA2.MD.10 MA3, 1.6, 1.8

Resources:
McGraw-Hill Everyday Math, 2012

Assessments:
Beginning, Mid and End of Year Assessments
Unit Progress Checks

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