Fayette R-III

Daly Elementary- Curriculum Guide for 1st 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 1st Grade Math.

Course Description: In Grade 1, instructional time will focus on four critical areas: 1) developing understanding of addition, subtraction, and strategies for addition and subtraction; 2) developing understanding of whole number relationships and place value, including grouping tens and ones; 3) developing understanding of linear measurement and measuring lengths as standard and nonstandard units; and 4) developing an understanding of telling time and value of coin money.

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.

1st Grade Math Student Learning Goals	MO Learning Standards
1- Time Students can tell and write time to the nearest hour and half-hour.	MA1.MD.3 MA1, 1.5
2- Money Students can compare the value of pennies, nickels, dimes, quarters; make exchanges between coins and count up to a dollar using mixed coins.	MA2.MD.8 MA1, 1.5, 1.6
3- Measuring Length Students can demonstrate accurate measuring techniques when measuring a distance with nonstandard or standard (inch and cm) units (starting at the beginning, ending at the end, leaving no gaps or overlaps, measuring in a straight line and keeping track of the number of units).	MA1.MD1-2 MA2, 1.4
4- Counting Students can count by 1s, 2s, 5s, and 10s to 100.	MA1.NBT.1, MA1.OA.5 MA1,6, 1.5, 1.8
5- Counting Students can read and write numbers to 100 in the correct sequence.	MA1.NBT.1 MA1,6, 1.5, 1.8
6- Counting Students can count collections of objects accurately and reliably and estimate the number of objects in a collection.	MA1.NBT.1 MA1,6, 1.5, 1.8
7- Fractions Students can identify and draw 1/2, 1/3, 1/4 of circles and rectangles.	MA1.G.3 MA2, 5, 1.5, 1.6

8- Shapes Students can identify and describe two- and three-dimensional shapes including circles, triangles, squares, rectangles, spheres, cylinders, rectangular prisms, pyramids, cones, and cubes.	MA1.G.1-2 MA2, 1.6
9- Data Students can organize and accurately represent data.	MA.1.MD.4 MA3, 1.8
10- Data Students can accurately describe a set of data and use it to ask and answer questions.	MA1.MD.4 MA3, 1.6, 1.8
11- Addition Students can interpret an addition problem with 2 or 3 single digit numbers within 20 and solve it accurately.	MA1.OA.1-3,5-6 MA1, 1.5, 1.6, 3.4
12- Addition/Subtraction Students can interpret addition/subtraction problems within 100 using 1 or 2 digit numbers and solve them accurately using place value strategies.	MA1.NBT.2,4,6 MA1.OA.3 MA1, 1.5, 1.6, 3.4
13- Subtraction Students can interpret a subtraction problem within 20 and solve it accurately.	MA1.OA1,3,5,6 MA1, 1.5, 1.6, 3.4

Resources:
McGraw-Hill Everyday Math, 2012

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

Board approved: March 18, 2015