

Fayette R-III

Daly Elementary- Curriculum Guide for Kindergarten 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 Kindergarten Math.

Course Description: In Kindergarten instructional time will focus on representing, relating, and ordering whole numbers, describing shapes, and measurement. More learning time will be devoted to numbers than to other topics. Students will use numbers to represent quantities and solve problems.

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.

Kindergarten Math Student Learning Goals	MO Learning Standards
1- Writing Numbers Students can write numbers to 20 in the correct sequence.	MA.K.CC.3 MA1,6, 1.5, 1.8
2- Counting Objects Students can count a set of 20 objects accurately.	MA.K.CC.4,5 MA1,6, 1.5, 1.8
3- Compare Quantities Students can compare quantities and numbers up to 20 and tell which is greater than, less than or if they are equal.	MA.K.CC.6,7 MA1,6, 1.5, 1.6, 1.8
4- Rote Counting Students can count to 100 by ones and tens accurately, starting at 1 or counting forward with a given number.	MA.K.CC.1,2 MA1,6, 1.5, 1.8
5- Addition Students can solve addition problems of single-digit numbers using manipulatives, number lines, or mental math.	MA.K.OA.1,2 MA1, 1.5, 1.6, 3.4
6- Subtraction Students can solve subtraction problems of single-digit numbers using manipulatives, number lines, or mental math.	MA.K.OA.1,2 MA1, 1.5, 1.6, 3.4
7- Place Value Students can break apart numbers into tens and ones.	MA.K.NBT.1 MA1, 3.4
8- Sort and Classify Students can classify objects into given categories.	MA.K.MD.3 MA2,4,1.6, 1.8

9- Patterns Students can extend, describe and create patterns of objects.	MA2,4,1.6, 1.8
10- 2- and 3-Dimensional Shapes Students can name and describe 2- and 3-dimensional shapes such as circle, square, triangle, rectangle, sphere, cube, cone, and cylinder.	MA.K.G.2,3,4 MA2, 1.6
11- Measurement Students can use nonstandard tools and techniques to estimate and compare weight and length and identify standard measuring tools.	MA.K.MD.1,2 MA2, 1.4
12- Algebra Students can read, write, and solve number sentences using the +, -, and = symbols.	MA.K.OA.3,4,5 MA1, 1.5, 1.6, 3.4, 3.7

Resources:

McGraw-Hill Everyday Math, 2012

Assessments:

Quarterly Common Assessments

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