

Department: Math

Course Name: First Grade Math

Course Description:

The focus of instruction in the first grade math curriculum is to promote an understanding of number concepts, classification, whole numbers, place value, geometry, fractions, money, time, measurement, number relationships and the effects of single-step and multistep computations. Learning experiences are provided which allow students to engage actively in a variety of problem solving situations, which connect to the real world, and to model numbers using a variety of manipulations. The students also use worksheets, literature, and technology to explore and connect the mathematics, thus building a deep understanding of concepts and linking concrete approaches to symbolic notation. An additional part of the curriculum is the mastery of addition and subtraction facts through twenty.

Content:

Numbers, ways of representing numbers, and number relationships

Compute numbers and make reasonable estimates

Read, write, order and compare numbers through 1,000

Apply skills and strategies to solve problems

Demonstrate an understanding of geometry and fractions

Demonstrate knowledge of time and money, and apply it to the real world

Understand customary units and measurement

Practice problem solving skills, both independently and collaboratively

Solve problems in both conventional and innovative ways

Skills:

Identify, write, and compare numbers to 1,000

Connect numbers to self and world

Count by ones, twos, threes, fives, and tens to 100

Add and subtract two and three digit numbers with and without regrouping

Identify, write and compare fractions of a region and fractions of a set

Identify and apply symmetry to an object

Identify, describe, classify and compare plane and solid shapes

Apply addition and subtraction properties, and fact families to find sums of two and three numbers to 20, and differences from 20

Count, compare, write the value, and make change of coins

Read and write time to five minute intervals and determine elapsed time

Estimate, measure, and compare lengths using nonstandard, customary, and metric units

Estimate, measure, and compare to find capacity, weight, and mass of an object

Read the temperature on a Celsius or Fahrenheit thermometer

Create and solve basic word problems

Interpret information displayed in a graph

Explore and apply mathematics in hands-on and real-life activities

Make connections in mathematics to self and world

Create and use representations to organize, record, and communicate mathematical ideas

Texts and Materials:

McGraw-Hill My Math: Practice Book, Grade 2

Student Manipulative Kits

Reading A-Z, Learning A-Z Company

Math Picture Books

BrainPOP Jr.
Zoom
Nearpod
Raz Kids
Flipgrid
Seesaw
Happy Numbers
Math Games
iPads/Apps

Methods of Instruction:

Individual, partner, small group, whole group instruction
Teacher directed/self-directed
Technology
Collaborative projects/integrated projects
Discussions

Methods of Evaluations:

Teacher Observation
Practice Workbook
Individual assessment
Projects
Oral responses
Discussions
Quizzes
Chapter tests

