

Department: Math

Course Name: Second Grade Math

Course Description:

Second grade math begins with a review of known math facts 0-20, both addition and subtraction, and reading and writing numbers to 1000. Place value through the hundred thousandths is then introduced. Building on that knowledge, the student begins rounding and estimating to solve equations and word problems. The study of money introduces the value of all coins and bills, emphasizing the addition and subtraction of money and the making of correct change. Four-digit addition and subtraction, with and without regrouping, is taught. Time to the minute and the concept of elapsed time is built on a review of time to the hour and half hour. Multiplication facts 0-9 are introduced in the second semester, along with customary measurement, beginning geometry, and simple fractions. Graphing is an integral part of the curriculum throughout the year.

Content:

Study the concept of place value
Study the concept of estimation
Review addition and subtraction skills and vocabulary
Learn multiplication procedures and vocabulary
Study customary units of measurement
Learn different ways to gather, analyze, and graph data
Study basic geometric concepts
Study and work with simple fractions
Practice problem solving skills

Skills:

Write numbers in standard, expanded, and word forms
Identify the place and value of digits up to hundred thousand
Add and subtract up to four-digit numbers
Add and subtract up to four-digit numbers with regrouping
Multiply single digit numbers
Estimate sums, differences, and products
Identify the multiples and factors of numbers
Measure and compare lengths using nonstandard, customary, and metric units
Compare units of measurement
Tell time using analog and digital clocks
Read Fahrenheit and Celsius thermometers
Graph data
Identify, describe, and compare one and three dimensional shapes
Identify lines of symmetry
Identify, write, and compare fractions of a region
Create and solve basic story problems

Text and Materials:

Math 4 Today, Carson Dellosa

Daily Math Review, Evan Moor

Math LV3, Volumes I and II, Houghton Mifflin

Houghton Mifflin Math: Practice Book, Grade 3

Houghton Mifflin Math: Student Manipulative Kits
Literature Books
Numerous supplemental resources
Hands-on equations

Methods of Instruction:

Whole group
Individualized
Small group
Partner activities
Everyday math games
Teacher directed instruction
iPad apps

Methods of Evaluation:

Classwork exercises
Homework exercises
Quizzes
Chapter tests
Teacher observation
Participation

Technology Platforms/Software:

Epic Reading
Seesaw
FlipGrid
Happy Numbers
NearPod

