

**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 thousands 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 0-10 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, (grade 2 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  
IXL Math

