

Mathematics
2010-2011

Course Description:

This year Mathematics includes the study of math facts, reading of simple graphs and charts, as well as development of knowledge and significance of place value. Students will develop their understanding of the relationship between simple multiplication tables and simple division and then progress to long division. We will work with decimals in money, measuring, geometry, fractions, and telling time. The development of solving word problems and using different strategies to find the solution is an important part of this year's course. The students will also develop math vocabulary.

Objectives:

- To read and create simple bar graphs, pictographs and line graphs.
- To identify number value based on place value.
- To compare and order numbers.
- To learn to tell time in three different ways and to understand and find elapsed time.
- Add and subtract whole numbers and money amounts.
- To understand multiplication and division concepts and facts.
- To identify even and odd numbers and their patterns.
- To memorize the multiplication tables 0 through 12.
- To multiply using 1-digit and 2-digit factors, as well as work with 3 factors following the rules of order of operations.
- To divide by 1-digit divisors.
- To divide 2-digit dividends.
- To find 3-digit quotients.
- To divide money.
- To identify solids, triangles and other polygons.
- To identify lines, line segments and symmetry.
- To find perimeter, area of rectangles and volume.
- To name and write simple fractions.
- To identify and name equivalent fractions.
- Compare and order fractions.
- To solve word problems using a variety of strategies: making a chart, drawing a picture, finding the pattern.
- Solving word problems that require 1, 2 or 3 operations.
- To work with units of length in measurement.

Contents:

- Understand simple graphs.
- Understand place value to the billions.
- Understand time and elapsed time.
- Be able to read and solve word problems using different strategies.
- Understand the relationship between addition with subtraction and multiplication with division.

- Understand long division.
- Understand multiplication.
- Recognize and follow patterns.
- Work with simple fractions and their equivalents.
- Understand perimeter, area and volume of plane figures and solids.

Assessment:

End of chapter tests.

Report cards will be given three (3) times per year.