Bethlehem Lutheran School
Math Grade 2

In recognizing the need for understanding and mastering mathematical computations and concepts, the philosophy of the mathematics program is to involve each student in a learning program that blends mathematical skills with practical applications to their daily Christian lives.

State Standard 1

Students develop number sense and use of numbers and number relationships in problem-solving situations and communicate the reasoning used in solving these problems.

Classroom objectives

The student will:

1.1 Begin a foundation in the mechanics of counting, reading, writing, and identifying whole numbers.
1.2 Solve problems by choosing the correct operations (plus or minus), organizing information to solve the problem, and completing the problem-solving operation accurately.
1.3 Demonstrate an understanding of addition concepts and addition facts with sums through 18.
1.4 Add two or three digit problems.
1.5 Subtract two or three digit problems.
1.6 Read and write numerals from 0 to 999 in meaningful contexts.
1.7 Order according to place value, i.e. given 9 ones, 5 tens, and 4 hundreds the student can write the number 459; given the number 459, the student can show 4 hundreds, 5 tens, and 9 ones.
1.8 Identify place value through hundreds.
1.9 Write three-digit numbers in expanded form.

State Standard 2

Students use algebraic methods to explore, model, and describe patterns and functions involving numbers, shapes, data, and graphs in problem-solving situations and communicate the reasoning used in solving these problems.

Classroom objectives

The student will:

2.1 Demonstrate an understanding of addition concepts and addition facts with sums through 18.
2.2 Add two-or three-digit problems.
2.3 Experience subtraction concepts through models, memorize subtraction facts through 18, and complete two-or three-digit operations.
2.4 Be introduced to the concepts of multiplication and division through models and some multiplication and division facts.

State Standard 3

Students use data collection and analysis, statistics, and probability in problem-solving situations and communicate the reasoning used in solving these problems.

Classroom objectives

The student will:

3.1 Identify pennies, nickels, and dimes; count by fives and tens; and identify and compare amounts of money to $2.00.
3.2 Read and understand the simpler graphs and graphing techniques.

State Standard 4

Students use geometric concepts, properties, and relationships in problem-solving situations and communicate the reasoning used in solving these problems.

Classroom objectives

The student will:

4.1 Identify plane figures, space figures, congruent shapes, similar figures, and shapes with symmetry.

State Standard 5

Students use a variety of tools and techniques to measure, apply the results in problem-solving situations, and communicate the reasoning used in solving these problems.

Classroom objectives

The students will:

5.1 Identify pennies, nickels, and dimes; count by fives and tens; and identify and compare amounts of money to $2.00.
5.2 Show, tell, and write time to the hour and to the half hour.
5.3 Identify days in a week, weeks in a month, days in a month, months in a year, and days in a year.
5.4 Measure units of length, capacity, and mass in both the metric system and the English system.
5.5 Identify fractions for halves, thirds, and fourths of a region and a set.

Standard 6

Students link concepts and procedures as they develop and use computational techniques, including estimation, mental arithmetic, paper-and-pencil, calculators, and computers in problem-solving situations and communicate the reasoning used in solving these problems.

Classroom objectives

The student will:

6.1 Demonstrate an understanding of addition concepts and addition facts with sums through 18.
6.2 Add two-or three-digit problems.
6.3 Experience subtraction concepts through models, memorize subtraction facts through 18.
6.4 Complete two- or three-digit operations.
6.5 Learn introduction to the concepts of multiplication and division through models and some multiplication and division facts.