St. Mel's Catholic School

MATHEMATICS STANDARDS
Grade Two

Number Sense
1.0 Number Relationships
1.1 Count, read, and write whole numbers to 1,000 and identify the place value for each digit.
1.2 Use words, models, and expanded forms (e.g., 45 = 4 tens + 5) to represent numbers to 1,000.
1.3 Order and compare whole numbers to 1,000 by using the symbols <, =, >.
2.0 Addition and Subtraction
2.1 Understand and use the inverse relationship between addition and subtraction to solve
problems and check solutions (e.g., an opposite number sentence for 8 + 6 = 14 is 14 - 6 = 8).
2.2 Find the sum or difference of two whole numbers up to three digits.
2.3 Use mental math to find the sum or difference to two-digit numbers**.**
3.0 Multiplication and Division
3.1 Use repeated addition, arrays, and count by multiples to do multiplication.
3.2 Use repeated subtraction, equal sharing, and form equal groups with remainders to do division.
3.3 Know/memorize multiplication tables of 2s, 5s, and 10s to "10 X 10."
4.0 Fractions and Decimals
4.1 Recognize, name, and compare unit fractions from 1/12 to 1/2.
4.2 Recognize fractions of a whole and parts of a group.
4.3 Know that all fractional parts together (e.g., four fourths) equal one whole.
5.0 Computation with Money
5.1 Solve problems using combinations of coins and bills.
5.2 Know and use decimal notation and the dollar and cent symbols for money.
6.0 Estimation
6.1 Recognize when an estimate is reasonable in measurements.
Algebra and Functions
1.0 Number Relationships
1.1 Use commutative and associative rules to simplify mental calculations and to check results.
1.2 Relate problem situations to number sentences involving addition and subtraction.
1.3 Solve addition and subtraction problems using data from simple charts, picture graphs, and number sentences.
Measurement and Geometry
1.0 Measurement

1.1 Measure the length of objects by repeating a nonstandard or standard unit.
1.2 Use different units to measure the same object and predict whether the measure will be greater or smaller when a different unit is used.
1.3 Measure the length of an object to the nearest inch and/or centimeter.
1.4 Tell time to the nearest quarter hour and know relationships of time (e.g., minutes in an hour, days in a month).
1.5 Determine the duration of intervals of time in hours (e.g.,11:00 a.m.-4:00 p.m.).

2.0 Geometry

2.1 Describe and classify plane and solid geometric shapes (e.g., circle, triangle) according to the number and shape of faces, edges, and vertices.
2.2 Put shapes together and take them apart to form other shapes.

Statistics, Data Analysis, and Probability

1.0 Data

1.1 Record numerical data in systematic ways, keeping track of what has been counted.
1.2 Represent the same data in more than one way.
1.3 Identify range and mode.
1.4 Ask and answer simple questions related to data representations**.**

2.0 Patterning

2.1 Recognize, describe, and extend patterns and determine a text term in linear patterns.
2.2 Solve problems in simple number patterns.

Mathematical Reasoning

1.0 Making Decisions about a Problem

1.1 Determine the approach, materials, and strategies to be used.
1.2 Use tools, such as manipulatives or sketches, to model problems.
2.0 Solving Problems and Justify Reasoning
2.1 Defend the approach, materials, and strategies to be used**.**
2.2 Make precise calculations and check the validity of the results from the context of the
problem.

3.0 Make Connections

3.1 Note connections between one problem and another.