Highland Park First grade Mathematics Curriculum

Standard Title: Number & Operations in Base Ten

Course Information

Course: **First Grade Mathematics**

Length Per Day: **45 minutes per day**

Brief Basic Description: Math at the first grade level focuses on representing and solving problems involving addition and subtraction, counting and writing numbers to 120, and understanding place value using tens and ones. It focuses on measuring, comparing and ordering objects by length, along with telling and writing time, and interpreting data on a graph. It focuses on identifying and constructing shapes, and understanding halves and fourths.

ESSENTIAL UNDERSTANDING:

First Grade mathematics curriculum is designed to:

- Identify relevant information for adding and subtracting in word problems
- Use different strategies to formulate and solve addition and subtraction equations
- Identify, create and solve equations associated with fact families
- Count and write numbers to 120
- Group and count tens
- Identify the tens and ones place
- Compare numbers using <, = and >
- Measure, compare and order by length
- Tell, write and show time to the hour and half-hour
- Read, complete and interpret a graph
- Compose and decompose two-dimensional and three-dimensional shapes
- Divide shapes into equal shares of halves and fourths

Theme Samples:

1. Formulate
2. Compare
3. Contrast

Course Objectives and Expectations:

- Count and write numbers to 120 from any given number with 100% accuracy
- Find 10 more or 10 less than a given number within 120 with at least 80% accuracy
- Understand that a ten can be thought of as a bundle of ten ones with 100% accuracy
- Shows understanding that the two digits in a two-digit number represent amounts of tens and ones with at least 80% accuracy
- Identify <, =, and > with 100% accuracy
- Compare two two-digit numbers using <, =, and > with at least 80% accuracy
- Add and subtract within 100 with at least 80% accuracy
- Use taught strategies under Instructional Best Practices to add and subtract within 100 with at least 80% accuracy
- Shows understanding that when adding two-digit numbers, one adds tens and tens, ones and ones, and sometimes it's necessary to compose a ten with at least 80% accuracy

Student Objectives-

- I can count and write numbers to 120.
- I can find 10 more or 10 less.
- I know that a two-digit number is made up of tens and ones.
- I can compare two-digit numbers using place value and the symbols <, =, and >.
- I can add and subtract within 100.

Pacing   Montana Common Core Standard

See Math in Focus Curriculum Guide

Timeline   Approximate length to teach unit

See Math in Focus Curriculum Guide

Montana Content Standards-

Numbers & Operations in Base Ten

1.NBT.A.1
- Extend the counting sequence.
- Count to 120, starting at any number less than 120.

1.NBT.B.2
- Understand place value.
- Understand that the two digits of a two-digit number represent amounts of tens and ones.

1.NBT.B.3
- Understand place value.
- Compare two two-digit numbers based on meanings of the tens and ones digits.

1.NBT.C.4
- Use place value understanding and properties of operations to add and subtract.
- Add within 100, including adding a two-digit number and a one-digit number, and adding a two-digit number and a multiple of 10.

1.NBT.C.5
- Use place value understanding and properties of operations to add and subtract.
- Given a two-digit number, mentally find 10 more or 10 less than the number, without having to count.

1.NBT.C.6
- Use place value understanding and properties of operations to add and subtract.
- Subtract multiples of 10 in the range 10-90 from multiples of 10 in the range 10-90.

Resources
- Common Core State Standards
- Daily Calendar Math
- Singapore Primary Math Strategies
- DIBELS Next (easyCBM)