

## **Highland Park First grade Mathematics Curriculum**

### **Standard Title: Measurement & Data**

#### **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. Trace
2. Describe
3. Explain
4. Compare
5. Contrast
6. Predict

**Course Objectives and Expectations:**

- Compare objects by length with at least 80% accuracy
- Measure the length of an object using a whole number with at least 80% accuracy
- Identify the minute hand and the hour hand on an analog clock with 100% accuracy
- Demonstrate time to the hour and half-hour with analog and digital clocks with at least 80% accuracy
- Complete a graph with 100% accuracy
- Interpret a graph with at least 80% accuracy

**Student Objectives-**

- I can measure, compare and order objects by length.
- I can tell and write time.
- I can use information to complete a graph, and read and answer questions about a graph.

**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-**

***Measurement & Data***

**1.MD.A.1**

- Measure lengths indirectly and by iterating length units.
- Order three objects by length.

**1.MD.A.2**

- Measure lengths indirectly and by iterating length units.
- Express the length of an object as a whole number of length units, by laying multiple copies of a shorter object.

**1.MD.B.3**

- Tell and write time.
- Tell and write time in hours and half-hours using analog and digital clocks.

**1.MD.C.4**

- Represent and interpret data.
- Organize, represent, and interpret data with up to three categories.

### **Resources**

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