

Highland Park First grade Mathematics Curriculum

Standard Title: Geometry

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. Analyze
3. Describe
4. Explain
5. Summarize
6. Compare
7. Contrast

8. Predict

Course Objectives and Expectations:

- Identify and define shapes according to their attributes with at least 80% accuracy
- Compose and decompose two-dimensional and three-dimensional shapes with at least 80% accuracy
- Compose new shapes from the composite shape
- Divide shapes into equal shares using phrases half of, fourth of and quarter of with at least 80% accuracy

Student Objectives-

- I can identify and construct two-dimensional and three-dimensional shapes.
- I can identify and show two and four equal parts of a whole.

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-

Geometry

1.G.A.1 Reason with shapes and their attributes.

Distinguish between defining attributes versus non-defining attributes.

1.G.A.2 Reason with shapes and their attributes.

Compose two-dimensional shapes or three-dimensional shapes to create a composite shape, and compose new shapes from the composite shape.

1.G.A.3 Reason with shapes and their attributes.

Partition circles and rectangles into two and four equal shares.

Resources

- Common Core State Standards
- Daily Calendar Math

- Singapore Primary Math Strategies
- DIBELS Next (easyCBM)