



Course Outcome Summary

Course Information: Grade 1 Math

Description: This course is about shapes, measurement, and time, as well as adding, subtracting, comparing numbers, and examining data.

Instruction Level: Grade 1

Course Standards:

- Students will be able to identify and create geometric shapes.
- Students will be able to identify and show equal halves and fourths.
- Students will put three objects in order from longest to shortest.
- Students can use a measurement tool to tell the length of an object by using whole numbers.
- Students will tell and write time in hours and half hours using any kind of clock.
- Students will organize and talk about data.
- Students will use place value to solve addition and subtraction problems within 100.
- Students will read, write, and count numbers to 120.
- Students will write and solve problems using addition and subtraction within 20.

Units

1. Geometry
2. Measurement and Data
3. Number Operations in Base 10
4. Operations and Algebraic Thinking

Unit Outlines

1. Geometry

Standards:

- Students will be able to identify and create geometric shapes.
- Students will be able to identify and show equal halves and fourths.

Essential Question:

How do we use shapes in the real world?

Essential Knowledge:

- sort shapes by shape, number of sides and corners, and size

- explain how two shapes are alike or different
- divide shapes into halves and fourths

2. Measurement and Data

Standards:

- Students will put three objects in order from longest to shortest.
- Students can use a measurement tool to tell the length of an object by using whole numbers.
- Students will tell and write time in hours and half hours using any kind of clock.
- Students will organize and talk about data.

Essential Question:

How can measurements be used to solve problems?

Essential Knowledge:

- organize objects by length
- use objects to measure length
- tell and write time in hours and half hours using any kind of clock
- use data to make a graph and answer questions about it

3. Number and Operations in Base 10

Standards:

- Students will use place value to solve addition and subtraction problems within 100.
- Students will read, write, and count numbers to 120.

Essential Question:

How does place value help solve problems using addition and subtraction?

Essential Knowledge:

- read, write, and count numbers to 120
- tell how many tens and how many ones are in a number
- compare two-digit numbers using $<$, $>$, and $=$
- find ten more or ten less in their head
- add two-digit number

4. Operations and Algebraic Thinking

Standards:

- Students will write and solve problems using addition and subtraction within 20.

Essential Question:

How can we use addition and subtraction to solve real world problems?

Essential Knowledge:

- use different ways to solve addition and subtraction problems
- add three numbers together
- use addition problems to solve subtraction problems
- count up to add and subtract within 20
- show what = means
- find the missing number in an addition or subtraction problem

