

Kindergarten Mathematics
Second Trimester
November 5 – March 16

November: Counting

Essential Questions:

Can I say the numbers one to ten in order?

Can I count to find the number of objects?

Do I know how to represent the numbers one to ten using concrete materials or drawings?

Can I count by 10s to 50?

Skills:

Say the numbers one to ten in order (rote count).

Count to find the number of objects in a group using one to one correspondence.

Count to find the number of items in a picture.

Represent numbers 0 to 9.

Count to find the number of objects or pictorial items in a group.

Write the numerals 0 to 5.

Recognize the numerals 0 to 9.

Represent the numbers one to ten using concrete materials or drawings.

Match a group of objects or pictures to a given number.

Compare the size of the groups children have made.

Collect, sort, and represent data.

Use a ten frame to facilitate counting up to ten.

December: Shapes and Positional Language

Essential Questions:

What are the different ways I can describe the position of an object?

What are the characteristics of the 3-D shapes?

Can I identify, name, and describe the 2 D shapes?

Can I describe the 2-D shapes?

Can I count by 10s to 70?

Skills:

Identify the position of an object.

Relate 2 D shapes to the faces of 3 D shapes.

Identify and name 2 D shapes.

Describe 2 D shapes.

Recognize that a square is a rectangle with four equal sides.

Represent 2 D shapes.

Place objects in a stated position.

Identify and name 3-D shapes.

Describe the characteristics of 3-D shapes.

January: Number and Patterns

Essential Questions:

Can I recognize and write the numerals from 0 to 5?

Can I match numerals, quantities and number words up to 9?

What is the name of the first 6 ordinal positions?

Can I count by 10s to 90?

Skills:

Match quantities, numerals, and number words (to 9).

Read the number words zero to nine.

Identify and name ordinal positions first to sixth.

Recognize and describe a pattern.

Copy and extend a pattern.

Create a simple pattern.

Extend a pattern.

Collect, sort, and represent data.

Interpret data.

Solve a simple logic problem.

Differentiate patterns from non patterns.

Identify the missing part of a pattern.

February: Numerals, Shape Puzzles and 100!

Essential Questions:

Can I read and write numbers to 20?

Can I count to 100 by 1s and 10s?

Can I continue a simple pattern?

Can I count objects up to 20?

Skills:

Extend a pattern.

Put together and take apart shapes to form new shapes.

Count to 100 by 1s and 10s.

Identifying numerals up to 20.

Match quantities to numerals up to 20.

Write the numbers 0-20.

Beginning of March: Measurement

Essential Questions:

How do I use length, weight, and capacity to compare and describe objects?

Do I understand the concept of time as it relates to before, after, slow, fast?

Skills:

Sort, classify, and order objects by size.

Recognize the attribute of length.

Recognize the attribute of weight.

Compare and describe objects by length or weight.

Describe the way in which an object's measure has changed (qualitative change).

Order objects by length or weight.

Recognize the attribute of time.

Compare the speed of movements using the terms "faster" and "slower".

