

Pre-K 2020 Unit #7: Mathematics - Nature All Around Us (PK)

Content Area: **Mathematics**
Course(s): **Pre K**
Time Period: **Marking Period 4**
Length: **Four Weeks**
Status: **Published**

Established Goals/Standards

Please choose the appropriate Goals/Standards from the Standards tab above.

MA.PK.4.1.1	Count to 20 by ones with minimal prompting.
MA.PK.4.1.1	Demonstrate emergent understanding of numbers (for counting: at least through 20; for ordinals: first through fifth, including the last).
MA.PK.4.1.4	Understand the relationship between numbers and quantities (i.e., the last word stated when counting tells “how many”):
MA.PK.4.1.4	Demonstrate understanding of one-to-one correspondence (e.g., put one placemat at each place, give each child one cookie, place one animal in each truck, hand out manipulatives to be shared with a friend, saying “One for you, one for me.”):
MA.PK.4.1.5.a	joining (e.g., “Three blue pegs, three yellow pegs, six pegs altogether!”); and
MA.PK.4.1.5.b	separating (“I have four carrot sticks. I’m eating one! Now I have 3!”).
MA.PK.4.2.2	Explore and talk about basic shapes in the environment (e.g., circle, square, triangle).
MA.PK.4.3.1	Sort, order, pattern, and classify objects by non-measurable (e.g., color, texture, type of material) and measurable attributes (e.g., length, capacity, height).
MA.PK.4.3.1	Describe patterns in the environment.
MA.PK.4.3.2	Begin to use appropriate vocabulary to demonstrate awareness of the measurable attributes of length, area, weight and capacity of everyday objects (e.g., long, short, tall, light, heavy, full).
MA.PK.4.3.2	Represent patterns in a variety of ways.
MA.PK.4.3.3	Begin to represent data in pictures and drawings.
MA.PK.4.3.3	Compare (e.g., which container holds more) and order (e.g., shortest to longest) up to 5 objects according to measurable attributes.
MA.PK.4.3.4	Show awareness of the attributes of objects through sorting, ordering, and classifying.
MA.PK.4.4	Children develop spatial and geometric sense.

Essential Questions

Please add your Essential Questions by clicking on the Lists tab above.

- How do we demonstrate and describe one more?
- How do we know something is a pattern?
- What does temperature mean?
- What happens when we flip, turn or slide a shape?

Enduring Understanding

Please add your Enduring Understandings by clicking on the Lists tab above.

- Temperature is how hot or cold something is
- The shape stays the same
- When something repeats over and over again it is a pattern
- When we put all the objects together and count the total

Content

Students will be able to:

- Count items
- Addition
- Concept of counting
- Addition
- Problem solve
- Counts to 10
- Name shapes
- Recognize shapes in the real world
- Create shapes
- Identify shape attributes
- Describe temperature
- Measure length
- Sort and describe objects
- Recognize patterns
- Create patterns

Vocabulary

- add
- count
- flip
- sphere
- rhombus
- turn
- slide
- measure
- temperature
- thermometer
- pattern
- repeat

Resources

Please add your Resources by clicking on the Lists tab above.

- Counting in the Garden by Kim Parker
- Math Mat 25
- Math Mat 26
- Math Mat 27
- Math Mat 28
- Mommy's Little Star by Janet Bingham