

Pre-K 2020 Unit #3: Mathematics - Our Community (PK)

Content Area: **Mathematics**
Course(s): **Pre K**
Time Period: **Marking Period 2**
Length: **4 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.4.1.2	Recognize and name one-digit written numbers up to 10 with minimal prompting.
MA.PK.4.2.1	Represent addition and subtraction by manipulating up to 5 objects:
MA.PK.4.2.2	Begin to represent simple word problem data in pictures and drawings.
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.4.1.1	Demonstrate emergent understanding of numbers (for counting: at least through 20; for ordinals: first through fifth, including the last).
MA.PK.4.1.2	Recognize and name some one-digit written numerals:
MA.PK.4.1.2.a	begin to write one-digit numerals; and
MA.PK.4.1.2.b	discriminate numbers from other symbols in the environment (e.g., street signs, license plates, room number, clock).
MA.PK.4.2.1	Use and respond to positional words (e.g., in, under, between, down).
MA.PK.4.2.2	Explore and talk about basic shapes in the environment (e.g., circle, square, triangle).
MA.PK.4.2.3	Explore three-dimensional shapes by building with blocks and other materials.
MA.PK.4.2.4	Explore connections between two- and three-dimensional forms (e.g., sphere and circle).
MA.PK.4.2.5	Identify symmetry during play (e.g., building with blocks).
MA.PK.4.2.6	Use simple shapes to make designs, patterns, and pictures (e.g., tangrams).
MA.PK.4.2.7	Explore the use of nonstandard objects for measurement.
MA.PK.4.2.8	Compare and order objects according to measurable attributes (e.g., length, weight).
MA.PK.4.2.9	Demonstrate understanding of basic temporal relations (e.g., the sequence of the daily routine).
MA.PK.4.3.1	Describe patterns in the environment.
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.4.3.4	Show awareness of the attributes of objects through sorting, ordering, and classifying.
MA.PK.4.4.1	Learn mathematics through problem solving, inquiry, and discovery and use emergent mathematical knowledge as a problem-solving tool.
MA.PK.4.4.2	Solve problems that arise in mathematics and in other contexts.
MA.PK.4.4.3	Use communication to organize and clarify mathematical thinking by discussing, listening, and asking questions during activities.

MA.PK.4.4.4

Recognize that mathematics is used in a variety of contexts in all disciplines, and apply mathematics in practical situations and other disciplines.

MA.PK.4.4.5

Use technology to reinforce concrete mathematical information (e.g., to explore patterns and shapes).

Essential Questions

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

- How many is 5?
- What is a map?
- What is a route?
- What is the pattern you hear?

Enduring Understanding

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

- A map is a picture of a place, such as a house or a neighborhood
- A route is a certain way to get somewhere.
- Patterns may vary - (AB clapping pattern)
- The students will need to match 5 items to the number 5

Content

Students will be able to

- Use simple words
- Use position words
- Compare distances
- Use measurement words
- Name shapes
- Create patterns
- Extend patterns
- Recognize patterns
- Count to 5
- Match numerals to quantities
- Count items
- Use ordinal numbers

Vocabulary

- Above
- Location
- Near
- Next to

- Route
- Through
- Closer
- Distance
- Farther
- Pattern
- Repeat
- First
- Second
- Third
- Fourth
- Fifth

Resources

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

- Lola at the Library by Anna McQuinn
- Math Mat 10
- Math Mat 11
- Math Mat 12
- Math Mat 9