

# PK Mathematics Grade Level Objectives

*Students will be able to...*

## **Number & Operation**

- Write numbers to represent quantities
- Count orally to 30 by ones
- Identify numerals 1 to 20
- Demonstrate 1:1 correspondence to 20
- Recognize “5” as a base for adding on
- Use manipulatives to demonstrate addition and subtraction

## **Algebra**

- Recognize simple patterns
- Repeat a given pattern (ABAB, ABCABC, AABBAABB, ABBABB)

## **Measurement & Geometry**

- Identify objects as same/different and more/less
- Identify measurable attributes of length and weight
- Compare length and weight using math vocabulary (heavier/lighter, longer, shorter)
- Measure objects using nonstandard units
- Identify shapes (circle, triangle, square, rectangle, oval)
- Identify similarities and differences in shapes
- Sort and describe objects by attributes

## **Data Analysis**

- Pose questions and gather data about themselves and their surroundings
- Represent data using concrete objects, pictures, and basic graphs
- Discuss events related to students’ experiences as likely or unlikely