

## Kindergarten Math Curriculum Framework

**Topic: Number Sense and Properties of Numbers and Operations (0 to 10)**  
**Instructional Days:1-20**

**Kentucky Program of Studies and National Standards (NCTM):**

**NUMBER SENSE**

*Students will:*

- read, write, count and model whole numbers from 0 to 10.
- apply multiple representations (e.g., drawings, manipulatives, number lines) to describe whole numbers in mathematical and real-world problems (0 to 10).
- understand number position (e.g., after, before, between) for 0 to 10. (NCTM)
- demonstrate one-to-one correspondence. (NCTM)

**PROPERTIES OF NUMBER AND OPERATIONS**

*Students will:*

- count forwards and backwards by ones (0 to 10) beginning from any number in the counting sequence. (NCTM)

**Core Content for Assessment**

MA-P-1.1.2

*Students will read, write, and rename whole numbers (0 to 10) and apply to real-world and mathematical problems.*

MA-P-1.1.1

*Students will:*

- Apply multiple representations (e.g., drawings, manipulative, number lines, symbols) to describe whole numbers (0 to 10); and
- Apply these numbers to represent real-world problems.

**Activities (in order, Everyday Mathematics: Teachers Guide to Activities)**

Sandpaper Numbers, Painting Numbers, Sandbox Numbers, Writing on Backs, Concentration Game with Sets, Number Books 0-10, Number Boards, Number Line Mathematics, Number Cards 0-10, Countdowns, Simple Hopscotch, Spin-a-Number, Give the Next Number, Egg Carton Mathematics, Interrupted Counts 0-10, Listen and Write, Noticing Numbers and Counting Walks, Ascending and Descending Order, Slate Writing

Building Monthly Calendar: school day count, identify numbers on calendar

**Vocabulary**

count, number, before, after, between, left, right

**Assessment**

Pre-Test, Post-Test, Math Journals