

Mathematics Planning – Kindergarten

Content Preparation – Prerequisite Planning for September 2020

The purpose of this overview is to identify the concepts and strategies students may not have covered fully in preparation for the 2020 - 2021 school year. Although teachers, students and parents transitioned into online learning, we must consider both summer attrition and possible inconsistencies in student engagement at home. To meet student needs and to bring all students to an equal entry level, plan lessons for September to support your incoming students with strategies and concepts relating to the review of the previous grade work. Review **Pre-Kindergarten Next Generation Standards including Domains of Counting & Cardinality; Operations & Algebraic Thinking and Number & Operations in Base Ten** to support planning.

- These are concepts and strategies that students entering your class will need to understand to fully engage in Kindergarten lessons.
- Content for September is connected to Number Concepts. It is recommended that as teachers begin different Domains (i.e., **Measurement & Data and Geometry**) that previous grade level standards are reviewed.

What concepts will students build on in chapter 1?

- Count sets of objects (0-5) Pre-Kindergarten standard PK.CC.B.4 identifies counting objects in a line, in an array and in a circular configuration
- Represent numbers (0-10) with objects
- Write numerals (0-5)
- Recognize numbers (0-5)
- Model sets of the same number (0-5)
- Count objects and represent with a written numeral (0-5)
- Count in order to 20 (verbally)
- Count objects in standard order (quantities to 10)
- Put numbers 0-5 in order
- Compare numbers 0-5 (greater / less / same) using both collections and numerals

What strategies and manipulatives will students need to be familiar with? (i.e., quick pictures, bar models, number complements, etc.)

- 5 – Frames
- Two-sided counters
- Connecting Cubes

Identify fluency concepts students will need to have mastered in order to successfully engage in Chapter 1.

- Counting to 20 (verbally)
- Numeral Recognition (0-5)
- Writing Numerals (0-5) (This is a Pre-Kindergarten Standard PK.CC.A.2)

Identify routines, activities and lessons that will support students with essential practice for full engagement in mathematics instruction.

- Dot Talks
- Pencil Talk – Tracing the Pattern Block Template exercise directionality to support writing numerals / counting sides of shapes
- Number Poems
- Number Plates for collections / sets (0-5)
- Color Charts (Students need to identify colors)
- 5-Frame (Introduce 2-sided counters and connecting cubes as counting tools for 5-Frame)
- Calendar
- Counting Tape
- Domino Dot Patterns for Subitizing (1 to 5)
- Introduce 2-sided counters & connecting cubes as counting tools
- Positional Words – utilize during routines and meeting times
- Oral Counting – counting sequence, songs and poems (0-10)