Mathematics Specific Learning Outcomes KINDERGARTEN

[C] Communication [CN] Connections [ME] Mental Mathematics and Estimation

[PS] Problem Solving[R] Reasoning Estimation[T] Technology[V] Visualization

NUMBER

General Outcome

Develop number sense.

- K.N.1. Say the number sequence by 1s, starting anywhere from 1 to 30 and from 10 to 1. [C, CN, V]
- K.N.2. Subitize and name familiar arrangements of 1 to 6 dots (or objects).[C, CN, ME, V]
- K.N.3. Relate a numeral, 1 to 10, to its respective quantity.

 [CN, R, V]
- K.N.4. Represent and describe numbers 2 to 10 in two parts, concretely and pictorially.

 [C, CN, ME, R. V]
- K.N.5. Demonstrate an understanding of counting to 10 by
 - indicating that the last number said identifies "how many"
 - showing that any set has only one count [C, CN, ME, R, V]
- K.N.6. Compare quantities, 1 to 10,
 - using one-to-one correspondence
 - by ordering numbers representing different quantities

[C, CN, V]

PATTERNS AND RELATIONS

General Outcome

Use patterns to describe the world and solve problems.

- K.PR.1. Demonstrate an understanding of repeating patterns (two or three elements) by
 - identifying
 - reproducing
 - extending
 - creating

patterns using manipulatives, sounds and actions.

[C, CN, PS, V]

SHAPE AND SPACE

General Outcome

Use direct or indirect measurement to solve problems.

K.SS.1. Use direct comparison to compare two objects based on a single attribute, such as length (height), mass (weight), and volume (capacity).

[C, CN, PS, R, V]

General Outcome

Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.

- K.SS.2. Sort 3-D objects using a single attribute. [C, CN, PS, R. V]
- K.SS.3. Build and describe 3-D objects. [CN, PS, V]

STATISTICS AND PROBABILITY