

# WNCP B.C. MATHEMATICS AT A GLANCE OVERVIEW – KINDERGARTEN

## Mathematical Processes

C = Communication

PS = Problem Solving

V = Visualization

R = Reasoning

CN = Connections

T = Technology

ME = Mental Mathematics and Estimation

<b>STRAND: NUMBER</b>		Mathematical Processes
General Outcome: Develop number sense <i>It is expected that students will:</i>		
A1	Say the number sequence by 1s starting anywhere from 1 to 10 and from 10 to 1.	C CN V
A2	Recognize at a glance and name familiar arrangements of 1 to 5 objects or dots.	C CN ME V
A3	Relate a numeral, 1 to 10, to its respective quantity.	CN RV
A4	Represent and describe numbers 2 to 10, concretely and pictorially.	C CN ME RV
A5	Compare quantities, 1 to 10, using one-to-one correspondence.	C CN V

<b>STRAND: STATISTICS &amp; PROBABILITY (DATA ANALYSIS)</b>	Mathematical Processes
General Outcome: Collect, display and analyze data to solve problems.	
No formal instruction for this strand at the kindergarten level.	

<b>STRAND: PATTERNS AND RELATIONS (PATTERNS)</b>		Mathematical Processes
General Outcome: Use patterns to describe the world and solve problems.		
B1	Demonstrate an understanding of repeating patterns (2 or 3 elements) by: <ul style="list-style-type: none"> <li>(a) identifying</li> <li>(b) reproducing</li> <li>(c) extending</li> <li>(d) creating</li> </ul> patterns, using manipulatives, sounds and actions.	C CN PS V

<b>STRAND: SHAPE AND SPACE (MEASUREMENT)</b>		Mathematical Processes
General Outcome: Use direct or indirect measurement to solve problems.		
C1	Use direct comparison to compare two objects based on a single attribute, such as length (height), mass (weight) and volume (capacity).	C CN PS RV
<b>STRAND: SHAPE AND SPACE (3-D OBJECTS &amp; 2-D SHAPES)</b>		Mathematical Processes
General Outcome: Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.		
C2	Sort 3-D objects using a single attribute.	C CN PS RV
C3	Build and describe 3-D objects.	CN PS V