Leaps and Bounds 1/2
Correlation to WNCP Curriculum and Grade 2 Classroom Resources

GRADE 2 Core Resources Correlation with Grade 2 WNCP core resources			INTERVENTION Resources and Outcomes Correlation between *Leaps and Bounds 1/2* and prerequisite outcomes from WNCP Kindergarten and Grade 1		
Number					
Grade 2 WNCP Outcomes	*Math Focus 2*	*Math Makes Sense 2*	*Leaps and Bounds 1/2* **Topics**	**Grade 1 WNCP Outcomes**	**Kindergarten WNCP Outcomes**
1. Say the number sequence from 0 to 100 by: • 2s, 5s and 10s, forward and backward, using starting points that are multiples of 2, 5 and 10 respectively • 10s using starting points from 1 to 9 • 2s starting from 1. [C, CN, ME, R]	Chapter 2: Lessons 2, 4, 5, 9, 10, Chapter Task Chapter 6: Lessons 1, 2, 3, 10	Unit 2: Lessons 1, 2, 3, 4, 7, 15	**Topic 1: Counting** *Subtopic:* Counting Sets *Subtopic:* Counting Forwards by 1 *Subtopic:* Counting Backwards by 1 *Subtopic:* Skip Counting	1. Say the number sequence, 0 to 100, by: • 1s forward and backward between any two given numbers • 2s to 20, forward starting at 0 • 5s and 10s to 100, forward starting at 0. [C, CN, V, ME]	1. Say the number sequence by 1s starting anywhere from 1 to 10 and from 10 to 1. [C, CN, V]
2. Demonstrate if a number (up to 100) is even or odd. [C, CN, PS, R]	Chapter 6: Lesson 3 Chapter 8: Lesson 4	Unit 2: Lessons 3, 15			
3. Describe order or relative position using ordinal numbers (up to tenth). [C, CN, R]	Chapter 2: Lesson 1	Unit 2: Lesson 5			
4. Represent and describe numbers to 100, concretely, pictorially and symbolically.	Chapter 2: Lessons 2, 5, 6, Chapter Task Chapter 3: Lessons 2,	Unit 2: Lessons 1, 2, 4, 7, 8, 9, 10, 13, 15	**Topic 2: Representing Whole Numbers** *Subtopic:* Modelling	4. Represent and describe numbers to 20 concretely,	3. Relate a numeral, 1 to 10, to its respective quantity. [CN, R, V]

[C, CN, V]	3, Chapter Task Chapter 6: Lessons 2, 5, 7, 8, 10, Chapter Task Chapter 8: Lesson 12		Whole Numbers *Subtopic:* Subitizing *Subtopic:* Reading and Writing Numbers **Topic 4: Adding** *Subtopic:* Decomposing and Recomposing **Topic 5: Subtracting** *Subtopic:* Decomposing	pictorially and symbolically. [C, CN, V]	4. Represent and describe numbers 2 to 10, concretely and pictorially. [C, CN, ME, R, V]
5. Compare and order numbers up to 100. [C, CN, R, V]	Chapter 2: Lessons 2, 11, Chapter Task Chapter 6: Lessons 4, 9, Chapter Task	Unit 2: Lessons 1, 13, 14, 15	**Topic 3: Comparing Whole Numbers** *Subtopic:* Comparing Sets *Subtopic:* Comparing Numbers	5. Compare sets containing up to 20 elements to solve problems using: • referents • one-to-one correspondence. [C, CN, ME, PS, R, V]	5. Compare quantities, 1 to 10, using one-to-one correspondence. [C, CN, V]
6. Estimate quantities to 100 using referents. [C, ME, PS, R]	Chapter 2: Lessons 2, 4 Chapter 6: Lessons 4, 5, Chapter Task	Unit 2: Lessons 6, 7	**Topic 2: Representing Whole Numbers** *Subtopic:* Estimating Quantities	6. Estimate quantities to 20 by using referents. [C, ME, PS, R, V]	
7. Illustrate, concretely and pictorially, the meaning of place value for numerals to 100. [C, CN, R, V]	Chapter 2: Lessons 3, 5, 11, Chapter Task Chapter 6: Lessons 4, 5, 6, Chapter Task Chapter 8: Lessons 5, 10, 11, Chapter Task	Unit 2: Lessons 7, 8, 9, 10, 11, 15	**Topic 2: Representing Whole Numbers** *Subtopic:* Modelling Whole Numbers		
8. Demonstrate and explain the effect of adding zero to or subtracting zero from any number. [C, R]	Chapter 3: Lesson 7	Unit 3: Lessons 4, 6, 13, 14	**Topic 4; Adding** *Subtopic:* Decomposing and Recomposing *Subtopic:* Joining		
9. Demonstrate an	Chapter 3: Lessons 1,	Unit 3: Lessons 1, 2,	**Topic 4: Adding**	9. Demonstrate an	

understanding of addition (limited to 1 and 2-digit numerals) with answers to 100 and the corresponding subtraction by: • using personal strategies for adding and subtracting with and without the support of manipulatives • creating and solving problems that involve addition and subtraction • explaining that the order in which numbers are added does not affect the sum • explaining that the order in which numbers are subtracted may affect the difference. [C, CN, ME, PS, R, V]	3, 5, 6, 7, 8, 9, 10, Chapter Task Chapter 8: Lessons 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, Chapter Task	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 Unit 5: Lessons 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14	*Subtopic:* Decomposing and Recomposing *Subtopic:* Counting On *Subtopic:* Joining *Subtopic:* Part-Part-Whole **Topic 5: Subtracting** *Subtopic:* Decomposing *Subtopic:* Counting Back *Subtopic:* Separating *Subtopic:* Comparing *Subtopic:* Relating Addition and Subtraction	understanding of addition of numbers with answers to 20 and their corresponding subtraction facts, concretely, pictorially and symbolically by: • using familiar and mathematical language to describe additive and subtractive actions from their experience • creating and solving problems in context that involve addition and subtraction • modelling addition and subtraction using a variety of concrete and visual representations, and recording the process symbolically. [C, CN, ME, PS, R, V]	
10. Apply mental mathematics strategies, such as: • using doubles • making 10 • one more, one less • two more, two less • building on a known double • addition for subtraction to	Chapter 3: Lessons 3, 4, 5, 8, 9, 10, Chapter Task Chapter 8: Lessons 1, 2, 6, Chapter Task	Unit 3: Lessons 2, 4, 6, 9, 10, 11, 12, 13, 14, 15	**Topic 4: Adding** *Subtopic:* Decomposing and Recomposing *Subtopic:* Counting On *Subtopic:* Joining **Topic 5: Subtracting** *Subtopic:* Counting Back	10. Describe and use mental mathematics strategies (memorization not intended), such as: • counting on and counting back • making 10 • doubles • using addition to	

determine basic addition facts to 18 and related subtraction facts. [C, CN, ME, R, V]			*Subtopic:* Separating *Subtopic:* Comparing *Subtopic:* Relating Addition and Subtraction	subtract to determine the basic addition facts to 18 and related subtraction facts. [C, CN, ME, PS, R, V]	

Patterns and Relations (Patterns)

Grade 2 WNCP Outcomes	*Math Focus 2*	*Math Makes Sense 2*	*Leaps and Bounds 1/2* Topics	Grade 1 WNCP Outcomes	Kindergarten WNCP Outcomes
1. Demonstrate an understanding of repeating patterns (three to five elements) by: • describing • extending • comparing • creating patterns using manipulatives, diagrams, sounds and actions. [C, CN, PS, R, V]	Chapter 1: Lessons 1, 2, 4, 5, Chapter Task Chapter 7: Lesson 4 Chapter 9: Lesson 5	Unit 1: Lessons 1, 2, 3, 4, 8 Unit 6: Lesson 8	**Topic 6: Repeating Patterns** *Subtopic:* Identifying and Describing Patterns *Subtopic:* Extending Patterns *Subtopic:* Creating Patterns	1. Demonstrate an understanding of repeating patterns (two to four elements) by: • describing • reproducing • extending • creating patterns using manipulatives, diagrams, sounds and actions. [C, PS, R, V]	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]
2. Demonstrate an understanding of increasing patterns by: • describing • reproducing • extending • creating patterns using manipulatives, diagrams, sounds and actions (numbers to 100). [C, CN, PS, R, V]	Chapter 1: Lessons 6, 7, 8, 9, Chapter Task Chapter 2: Lessons 7, 9, 10 Chapter 3: Lesson 8 Chapter 5: Lesson 5 Chapter 6: Lessons 1, 2, 3	Unit 1: Lessons 5, 6, 7, 8			

Patterns and Relations (Variables and Equations)					
Grade 2 WNCP Outcomes	*Math Focus 2*	*Math Makes Sense 2*	*Leaps and Bounds 1/2 Topics*	**Grade 1 WNCP Outcomes**	**Kindergarten WNCP Outcomes**
3. Demonstrate and explain the meaning of equality and inequality by using manipulatives and diagrams (0 to 100). [C, CN, R, V]	Chapter 3: Lesson 2 Chapter 8: Lesson 12 Chapter 10: Lesson 6	Unit 2: Lessons 12, 15	**Topic 3; Comparing Whole Numbers** *Subtopic:* Comparing Numbers **Topic 5: Subtracting** *Subtopic:* Comparing	3. Describe equality as a balance and inequality as an imbalance, concretely and pictorially (0 to 20). [C, CN, R, V]	
4. Record equalities and inequalities symbolically using the equal symbol or the not equal symbol. [C, CN, R, V]	Chapter 3: Lessons 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, Chapter Task Chapter 8: Lessons 1, 2, 3, 4, 5, 6, 7, 9, 12, Chapter Task	Unit 3: Lessons 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15 Unit 5: Lessons 1, 2, 3, 4, 5, 6, 7, 8, 9, 12	**Topic 5: Subtracting** *Subtopic:* Comparing	4. Record equalities using the equal symbol. [C, CN, PS, V]	
Shape and Space (Measurement)					
Grade 2 WNCP Outcomes	*Math Focus 2*	*Math Makes Sense 2*	*Leaps and Bounds 1/2 Topics*	**Grade 1 WNCP Outcomes**	**Kindergarten WNCP Outcomes**
1. Relate the number of days to a week and the number of months to a year in a problem-solving context. [C, CN, PS, R]	Chapter 2: Lessons 7, 8, Chapter Task	Unit 4: Lessons 1, 2			
2. Relate the size of a unit of measure to the number of units (limited to non-standard units) used to measure length and mass (weight). [C, CN, ME, R, V]	Chapter 4: Lessons 3, 6, Chapter Task Chapter 10: Lessons 2, 3, Chapter Task	Unit 4: Lesson 3	**Topic 9: Length and Area** *Subtopic:* Comparing Length *Subtopic:* Measuring Length with Non-Standard Units **Topic 10: Mass and Capacity** *Subtopic:* Comparing Mass		

Grade 2 WNCP Outcomes	Math Focus 2	Math Makes Sense 2	Leaps and Bounds 1/2 Topics	Grade 1 WNCP Outcomes	Kindergarten WNCP Outcomes
3. Compare and order objects by length, height, distance around and mass (weight) using nonstandard units, and make statements of comparison. [C, CN, ME, R, V]	Chapter 4: Lessons 1, 2, 7, Chapter Task Chapter 10: Lessons 1, 4, 5, 6, Chapter Task	Unit 4: Lessons 3, 4, 5, 6, 7, 8, 9, 10	**Topic 9: Length and Area** *Subtopic:* Comparing Length *Subtopic:* Measuring Length with Non-Standard Units **Topic 10: Mass and Capacity** *Subtopic:* Comparing Mass	1. Demonstrate an understanding of measurement as a process of comparing by: • identifying attributes that can be compared • ordering objects • making statements of comparison • filling, covering or matching. [C, CN, PS, R, V]	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]
4. Measure length to the nearest non-standard unit by: • using multiple copies of a unit • using a single copy of a unit (iteration process). [C, ME, R, V]	Chapter 4: Lessons 2, 3, 5, 8, Chapter Task Chapter 6: Lesson 6	Unit 4: Lessons 3, 4, 5, 6, 7, 10	**Topic 9: Length and Area** *Subtopic:* Measuring Length with Non-Standard Units		
5. Demonstrate that changing the orientation of an object does not alter the measurements of its attributes. [C, R, V]	Chapter 4: Lesson 3	Unit 4: Lessons 5, 6	**Topic 9: Length and Area** *Subtopic:* Measuring Length with Non-Standard Units		
Shape and Space (3-D Objects and 2-D Shapes)					
Grade 2 WNCP Outcomes	*Math Focus 2*	*Math Makes Sense 2*	*Leaps and Bounds 1/2 Topics*	**Grade 1 WNCP Outcomes**	**Kindergarten WNCP Outcomes**
6. Sort 2-D shapes and 3-D objects using two attributes, and explain the sorting rule. [C, CN, R, V]	Chapter 1: Lesson 3 Chapter 7: Lessons 1, 2, 3, Chapter Task Chapter 9: Lesson 2	Unit 6: Lessons 2, 5, 9	**Topic 7: 3-D Objects** *Subtopic:* Describing and Sorting 3-D Objects	2. Sort 3-D objects and 2-D shapes using one attribute, and explain the sorting	2. Sort 3-D objects using a single attribute. [C, CN, PS, R, V]

Grade 2 WNCP Outcomes	Math Focus 2	Math Makes Sense 2	Leaps and Bounds 1/2 Topics	Grade 1 WNCP Outcomes	Kindergarten WNCP Outcomes
			Topic 8: 2-D Shapes *Subtopic:* Describing and Sorting 2-D Shapes	rule. [C, CN, R, V]	
7. Describe, compare and construct 3-D objects, including: • cubes • spheres • cones • cylinders • pyramids. [C, CN, R, V]	Chapter 7: Lessons 4, 5, 6, 7, 8, Chapter Task	Unit 6: Lessons 4, 6, 8, 9	**Topic 7: 3-D Objects** *Subtopic:* Describing and Sorting 3-D Objects *Subtopic:* Building with 3-D Objects	3. Replicate composite 2-D shapes and 3-D objects. [CN, PS, V]	3. Build and describe 3-D objects. [CN, PS, V]
8. Describe, compare and construct 2-D shapes, including: • triangles • squares • rectangles • circles. [C, CN, R, V]	Chapter 9: Lessons 1, 2, 3, 4, 5, 6, 7, Chapter Task	Unit 6: Lessons 1, 3, 8	**Topic 8: 2-D Shapes** *Subtopic:* Describing and Sorting 2-D Shapes *Subtopic:* Building with 2-D Shapes	3. Replicate composite 2-D shapes and 3-D objects. [CN, PS, V]	
9. Identify 2-D shapes as parts of 3-D objects in the environment. [C, CN, R, V]	Chapter 7: Lesson 8 Chapter 9: Lessons 7, 8, Chapter Task	Unit 6: Lessons 7, 9	**Topic 7: 3-D Objects** *Subtopic:* Describing and Sorting 3-D Objects *Subtopic:* Building with 3-D Objects **Topic 8: 2-D Shapes** *Subtopic:* Describing and Sorting 2-D Shapes	4. Compare 2-D shapes to parts of 3-D objects in the environment. [C, CN, V]	

Statistics and Probability (Data Analysis)

Grade 2 WNCP Outcomes	Math Focus 2	Math Makes Sense 2	Leaps and Bounds 1/2 Topics	Grade 1 WNCP Outcomes	Kindergarten WNCP Outcomes
1. Gather and record data	Chapter 5: Lessons 2,	Unit 7: Lessons 2, 3,	**Topic 11: Sorting and**		

about self and others to answer questions. [C, CN, PS, V]	5, 6, 7, 8, 9, 10	4, 6, 7, 8	**Displaying Data** *Subtopic:* Creating and Interpreting Graphs		
2. Construct and interpret concrete graphs and pictographs to solve problems. [C, CN, PS, R, V]	Chapter 5: Lessons 1, 2, 3, 4, 5, 6, 7, 9, 10, Chapter Task	Unit 7: Lessons 1, 2, 3, 4, 5, 8	**Topic 11: Sorting and Displaying Data** *Subtopic:* Sorting *Subtopic:* Creating and Interpreting Graphs		