

Mathology 2 Correlation (Number) - Manitoba

Learning Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
 2.N.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. 	Teacher Cards Cluster 1: Counting 2: Skip-Counting Forward 3: Skip-Counting Flexibly 4: Skip-Counting Backward 5: Counting Consolidation Cluster 3: Grouping and Place Value 14: Making a Number Line 15: Grouping to Count Cluster 9: Financial Literacy 43: Estimating Money Math Every Day Cards 1A: Skip-Counting on a Hundred Chart Skip-Counting from Any Number 1B: Skip-Counting with Actions What's Wrong? What's Missing? 3A: Adding Ten Taking Away Ten 3B: Thinking Tens 9: Collections of Coins	 What Would You Rather? Ways to Count Family Fun Day Array's Bakery The Money Jar To Scaffold: On Safari! How Many Is Too Many? To Extend: Finding Buster Planting Seeds 	Big Idea: Numbers tell us how many and how much. Applying the principles of counting - Fluently skip-counts by factors of 10 (e.g., 2, 5, 10) and multiples of 10 from any given number. Big Idea: Quantities and numbers can be grouped by or partitioned into equal-sized units. Unitizing quantities and comparing units to the whole - Partitions into and skip-counts by equal-sized units and recognizes that the results will be the same when counted by ones (e.g., counting a set by 1s or by 5s gives the same result) - Recognizes that, for a given quantity, increasing the number of sets decreases the number of objects in each set. - Recognizes and describes equal-sized sets as units within a larger set. Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically Representing and generalizing increasing/decreasing patterns - Identifies and extends familiar number patterns and makes connections to addition (e.g., skip-counting by 2s, 5s, 10s).



2.N.2. Demonstrate if a	Teacher Cards	Ways to Count	Big Idea: Numbers are related in many ways.
number (up to 100) is even	Cluster 2: Number Relationships 1		Comparing and ordering quantities (multitude or
or odd.	8: Odd and Even Numbers		magnitude)
	Math Every Day Cards		
	2A: Show Me in Different Ways		
	Guess My Number		
	2B: Math Commander		
2.N.3. Describe order or	Teacher Cards	To Scaffold:	Big Idea: Numbers are related in many ways.
relative position using	Cluster 2: Number Relationships 1	At the Corn Farm	Comparing and ordering quantities (multitude or
ordinal numbers.	9: Ordinal Numbers		magnitude)
		To Extend:	- Determines and describes the relative position of
	Math Every Day Cards	Finding Buster	objects using ordinal numbers.
	2B: Math Commander		- Uses ordinal numbers in context.
2.N.4. Represent and	Teacher Cards	What Would You Rather?	Big Idea: Numbers tell us how many and how much.
describe numbers to 100,	Cluster 2: Number Relationships 1	Family Fun Day	Recognizing and writing numerals
concretely, pictorially, and	11: Decomposing to 20	Back to Batoche	- Names, writes, and matches two-digit numerals to
symbolically.	12: Number Relationships 1 Consolidation*	The Best Birthday	quantities.
	Cluster 3: Grouping and Place Value	 A Class-full of Projects 	Big idea: Numbers are related in many ways
	13: Building Numbers	The Money Jar	Decomposing wholes into parts and composing
	16: Grouping and Place Value Consolidation		wholes from parts
	Cluster 5: Number Relationships 2	To Scaffold:	- Decomposes/composes quantities to 20.
	22: Benchmarks on a Number Line	• That's 10!	- Composes two-digit numbers from parts (e.g., 14
	23: Decomposing 50	 Canada's Oldest Sport 	and 14 is 28), and decomposes two-digit numbers
	24: Jumping on the Number Line		into parts (e.g., 28 is 20 and 8)
	25: Number Relationships 2 Consolidation	To Extend:	Big Idea: Quantities and numbers can be grouped by
	Cluster 9: Financial Literacy	Finding Buster	or partitioned into equal-sized units.
	43: Estimating Money	How Numbers Work	Unitizing quantities into ones, tens, and hundreds
	44: Earning Money	Math Makes Me Laugh	place-value concepts
		The Street Party	- Writes, reads, composes, and decomposes two-digit
	Math Every Day Cards		numbers as units of tens and leftover ones.
	2A: Show Me in Different Ways		Unitizing quantities and comparing units to the
	Guess My Number		whole
	2B: Building an Open Number Line		- Partitions into and skip-counts by equal-sized units
	5A: Building Numbers		and recognizes that the results will be the same
	5B: How Many Ways?		when counted by ones (e.g., counting a set by 1s or
	What's the Unknown Part?		by 5s gives the same result).
	9: Showing Money in Different Ways		2, 22 8.120 4.10 00.110,
	*also includes odd/even and ordinal		
	concepts		
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2.N.5. Compare and order	Teacher Cards	• What Would You Rather?	Big idea: Numbers are related in many ways
numbers up to 100	Cluster 1: Counting	Back to Batoche	Comparing and ordering quantities (multitude or
	1: Bridging Tens	The Great Dogsled Race	magnitude)
	Cluster 2: Number Relationships 1		- Compares and orders quantities and written
	6: Comparing Quantities	To Scaffold:	numbers using benchmarks.
	7: Ordering Quantities	A Family Cookout	- Determines how many more/less one quantity is
	12: Number Relationships 1	At the Corn Farm	compared to another.
	Consolidation*	How Many Is Too Many?	·
	Cluster 3: Grouping and Place Value	,	
	14: Making a Number Line	To Extend:	
	Math Every Day Cards	Fantastic Journeys	
	2A: Guess My Number	Finding Buster	
	2B: Building an Open Number Line	Math Makes Me Laugh	
	5A: Which Ten is Nearer?	The Street Party	
	*also includes odd/even and ordinal	,	
	concepts		
2.N.6. Estimate quantities to	Teacher Cards	What Would You Rather?	Big Idea: Numbers are related in many ways.
100 using referents.	Cluster 2: Number Relationships 2	Ways to Count	Estimating quantities and numbers
	10: Estimating with Benchmarks		- Uses relevant benchmarks to compare and
	Cluster 9: Financial Literacy	To Scaffold:	estimate quantities (e.g., more/less than 10;
	43: Estimating Money	A Family Cookout	multiples of ten).
		At the Corn Farm	
		How Many Is Too Many?	
		To Extend:	
		Fantastic Journeys	
		Finding Buster	
		Math Makes Me Laugh	
2.N.7. Illustrate, concretely	Teacher Cards	Back to Batoche	Big Idea: Quantities and numbers can be grouped
and pictorially, the meaning	Cluster 3: Grouping and Place Value	A Class-full of Projects	by or partitioned into equal-sized units.
of place value for numbers to	13: Building Numbers	The Money Jar	Unitizing quantities into ones, tens, and hundreds
100.	16: Grouping and Place Value		(place-value concepts)
	Consolidation	To Scaffold:	- Writes, reads, composes, and decomposes two-
		At the Corn Farm	digit numbers as units of tens and leftover ones.
	Math Every Day Cards		
	3B: Thinking Tens	To Extend:	
	Describe Me	Finding Buster	



2.N.8. Demonstrate and explain	Teacher Cards	Below Grade:	Big Idea: Quantities and numbers can be added and
the effect of adding zero to or	Cluster 6: Conceptualizing Addition	• That's 10!	subtracted to determine how many or how much.
subtracting zero from any	and Subtraction		Developing conceptual meaning of addition and
number.	26: Exploring Properties*		subtraction
			- Uses symbols and equations to represent addition and
	Link to Other Strands:		subtraction situations.
	Teacher Cards		- Uses properties of addition and subtraction to solve
	Patterning and Algebra Cluster 3:		problems (e.g., adding or subtracting 0, commutativity
	Equality and Inequality		of addition).
	Activity 18: Exploring Properties		Big Idea: Patterns and relations can be represented
			with symbols, equations, and expressions.
	*also includes the commutative		Understanding equality and inequality, building on
	property		generalized properties of numbers and operations
			- Explores properties of addition and subtraction (e.g.,
			adding or subtracting 0, commutativity of addition).
2.N.9 Demonstrate an	Teacher Cards	 Marbles, Alleys, Mibs, and 	Big Idea: Quantities and numbers can be added and
understanding of addition	Cluster 6: Conceptualizing Addition	Guli!	subtracted to determine how many or how much.
(limited to 1- and 2-digit	and Subtraction	 A Class-full of Projects 	Developing conceptual meaning of addition and
numerals) with answers to 100	26: Exploring Properties*	The Money Jar	subtraction
and the corresponding	27: Solving Problems 1	The Great Dogsled Race	- Uses symbols and equations to represent addition and
subtraction by	28: Solving Problems 2		subtraction situations.
•	29: Solving Problems 3	To Scaffold:	- Models and symbolizes addition and subtraction
 using personal strategies 	30: Solving Problems 4	• On Safari!	problem types (i.e., join, separate, part-part-whole,
for adding and subtracting	31: Conceptualizing Addition and	• That's 10!	and compare).
with and without the	Subtraction Consolidation	Hockey Time! Gate and Kitternal	Developing fluency of addition and subtraction
support of manipulatives	Cluster 7: Operational Fluency 35: Multi-digit Fluency	Cats and Kittens!Buy 1 – Get 1	computation - Extends known sums and differences to solve other
 creating and solving 	Cluster 9: Financial Literacy	Canada's Oldest Sport	
problems that involve	44: Earning Money	• Canada's Oldest sport	equations (e.g., using 5 + 5 to add 5 + 6).
addition and subtraction.	46: Saving Regularly	To Extend:	B'. Li. B. H
 explaining that the order in 	40. Saving Regularly	Math Makes Me Laugh	Big Idea: Patterns and relations can be represented
which numbers are added	Math Every Day Cards	The Street Party	with symbols, equations, and expressions.
	6: What Math Do You See?	Planting Seeds	Understanding equality and inequality, building on
does not affect the sum.	What Could the Story Be?	Calla's Jingle Dress	generalized properties of numbers and operations
 explaining that the order in 			- Explores properties of addition and subtraction (e.g.,
which numbers are	Link to Other Strands:		adding or subtracting 0, commutativity of addition).
subtracted may affect the	Teacher Cards		
difference.	Patterning and Algebra Cluster 3:		
	Equality and Inequality		
	Activity 18: Exploring Properties		
	*also includes the zero property		
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2.N.10 Apply mental mathematics strategies, including

- using doubles
- making ten
- using one more, one less
- using two more, two less
- building on a known double
- using addition for subtraction

to develop recall of basic addition facts to 18 and related subtraction facts

Teacher Cards

Cluster 7: Operational Fluency

- 32: Complements of 10
- 33: Using Doubles
- 34: Fluency with 20
- 36: Operational Fluency Consolidation

Math Every Day Cards

- 6: What Math Do You See?
- 7A: Doubles and Near-Doubles
- 7A: I Have...I Need...
- 7B: Hungry Bird
- 7B: Make 10 Sequences

- Marbles, Alleys, Mibs, and Guli!
- The Great Dogsled Race

To Scaffold:

- On Safari! (one more/less)
- Hockey Time! (doubles, counting on/back, difference)
- Buy 1 Get 1 (doubles, near doubles)
- Paddling the River (one and two more)
- How Many is Too Many? (one and two more)
- Canada's Oldest Sport (counting on/back, doubles, benchmarks)
- That's 10! (counting on, difference)
- Cats and Kittens! (known facts, commutative property)

To Extend:

Planting Seeds

Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much.

Developing conceptual meaning of addition and subtraction

- Uses symbols and equations to represent addition and subtraction situations.
- Models and symbolizes addition and subtraction problem types (i.e., join, separate, part-part-whole, and compare).
- Relates addition and subtraction as inverse operations.

Developing fluency of addition and subtraction computation

- Fluently recalls complements to 10 (e.g., 6 + 4; 7 + 3).
- Extends known sums and differences to solve other equations (e.g., using 5 + 5 to add 5 + 6).
- Fluently adds and subtracts with quantities to 20.

Big idea: Numbers are related in many ways

Comparing and ordering quantity (multitude or magnitude)

- Knows what number is one or two more and one or two less than another number.





Mathology 2 Correlation (Patterns and Relations) - Manitoba

Learning Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
Patterns and Relations (F	Patterns)		
2.PR.1. Predict an element in a repeating pattern using a variety of strategies.	Teacher Cards Cluster 1: Repeating Patterns 1: Exploring Patterns 2: Extending and Predicting 3: Errors and Missing Elements 4: Combining Attributes 5: Repeating Patterns Consolidation Math Every Day Card 1: Show Another Way Repeating Patterns Around Us	Pattern Quest To Scaffold: Midnight and Snowfall!	Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Identifying, reproducing, extending, and creating patterns that repeat - Identifies the repeating unit (core) of a pattern. - Predicts missing element(s) and corrects errors in repeating patterns. - Reproduces, creates, and extends repeating patterns based on copies of the repeating unit (core). - Represents the same pattern in different ways (i.e., translating to different symbols, objects, sounds, actions). - Compares repeating patterns and describes how they are alike and different. - Recognizes, extends, and creates repeating patterns based on two or more attributes (e.g., shape and
			orientation) Identifies the repeating unit of patterns in multiple forms (e.g., circular, 2-D, 3-D).



2.PR.2	Demonstrate an			
understanding of				
increas	ing patterns by:			
•	describing			
•	reproducing			

- extending
- creating

patterns using manipulatives, diagrams, sounds, and actions (numbers to 100).

Teacher Cards

Cluster 2: Increasing/Decreasing Patterns

- 6: Increasing Patterns 1
- 7: Increasing Patterns 2
- 9: Extending Patterns
- 10: Reproducing Patterns
- 11: Creating Patterns
- 12: Errors and Missing Terms
- 13: Solving Problems
- 14: Consolidation

Math Every Day Cards

- 2A: How Many Can We Make? Error Hunt
- 2B: Making Increasing Patterns

• The Best Surprise

To Scaffold:

• Midnight and Snowfall!

To Extend:

 Namir's Marvellous Masterpieces

Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically.

Representing and generalizing increasing/decreasing patterns

- Identifies and extends non-numeric increasing/ decreasing patterns (e.g., jump-clap; jump-clapclap; jump-clap-clap clap, etc.).
- Identifies and extends familiar number patterns and makes connections to addition (e.g., skipcounting by 2s, 5s, 10s).
- Identifies, reproduces, and extends increasing/ decreasing patterns concretely, pictorially, and numerically using repeated addition or subtraction.
- -Extends number patterns and finds missing elements (e.g., 1, 3, 5, , 9, ...).

Big Idea: Quantities and numbers can be added and subtracted to determine how many or how much.

Developing fluency of addition and subtraction computation

- Fluently adds and subtracts with quantities to 20.

Patterns and Relations (Variables and Equations)

2.PR.3. Demonstrate and explain the meaning of equality and inequality by using manipulatives and diagrams (0 to 100).

2.PR.4. Record equalities and inequalities symbolically using the equal symbol or the notequal symbol.

Teacher Cards

Cluster 3: Equality and Inequality

- 15: Equal and Unequal Sets
- 16: Equal or Not Equal?
- 17: Exploring Number Sentences
- 20. Equality and Inequality Consolidation

Math Every Day Card

- 3A: Equal or Not Equal?
 How Many Ways?
- 3B: Which One Doesn't Belong?

• Kokum's Bannock

To Scaffold:

Nutty and Wolfy

To Extend:

• A Week of Challenges

Big Idea: Patterns and relations can be represented with symbols, equations, and expressions.

Understanding equality and inequality, building on generalized properties of numbers and operations

- Compares sets to determine more/less or equal.
- Creates a set that is more/less or equal to a given set.
- Models and describes equality (balance; the same as) and inequality (imbalance; not the same as).
- Records different expressions of the same quantity as equalities (e.g., 2 + 4 = 5 + 1).

Using symbols, unknowns, and variables to represent mathematical relations

- Uses the equal (=) symbol in equations and knows its meaning (i.e., equivalent; is the same as).
- Understands and uses the equal (=) and not equal
 (≠) symbols when comparing expressions.



Mathology 2 Integrated Curriculum Correlation – Manitoba v. 12102018



Mathology 2 Correlation (Shape and Space) - Manitoba

Learning Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression		
Shape and Space (Measurement)					
2.SS.1. Relate the number of days to a week and the	Teacher Cards Measurement Cluster 3: Time and	To Extend: • Goat Island	Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons.		
number of months to a year in a problem-solving context.	Temperature 13: Days and Weeks 14: Months in a Year		Understanding relationships among measurement units - Understands relationship of units of length (mm, cm, m), mass (g, kg), capacity (mL, L), and time (e.g., seconds, minutes, hours).		
	Math Every Day Cards 3A: Calendar Questions 3B: Monthly Mix-Up		Big Idea: Many things in our world (e.g., objects, spaces, events) have attributes that can be measured and compared.		
	Solution, max op		Understanding attributes that can be measured - Explores measurement of visible attributes (e.g., length, capacity, area) and non-visible attributes (e.g., mass, time, temperature)		
			Big Idea: Numbers are related in many ways.		
			Comparing and ordering quantities (multitude or magnitude) - Uses ordinal numbers in context (e.g., days on a calendar: the 3rd of March)		
2.SS.2. Relate the size of a	Teacher Cards	The Discovery	Big Idea: Assigning a unit to a continuous attribute		
unit of measure to the	Measurement Cluster 1: Using Non-		allows us to measure and make comparisons		
number of units (limited	Standard Units	To Scaffold:	Understanding relationships among measurement		
to non-standard units)	1: Measuring Length 1	The Amazing Seed	units		
used to measure length	4: Measuring Mass	Animal Measures	- Understands the inverse relationship between the		
and mass (weight).			size of the unit and the number of units (length, area,		
		To Extend:	capacity, and mass).		
		Goat Island			
		The Bunny Challenge			
		Measurements About YOU!			



2.SS.3. Compare and order objects by length, height,	Teacher Cards Measurement Cluster 1: Using Non-	Getting Ready for School The Discovery	Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons.
distance around, and mass (weight) using non-standard units, and make statements of comparison.	Standard Units 1: Measuring Length 1 2: Measuring Length 2 3: Measuring Distance Around 4: Measuring Mass ⁽²⁾ 7: Using Non-Standard Units Consolidation Math Every Day Card 1: Estimation Scavenger Hunt Estimation Station	To Scaffold: • The Amazing Seed • Animal Measures To Extend: • Goat Island • The Bunny Challenge • Measurements About YOU!	Selecting and using non-standard units to estimate, measure, and make comparisons - Understands that there should be no gaps or overlaps when measuring. - Demonstrates ways to estimate, measure, compare, and order objects by length, area, capacity, and mass with non-standard units by • using an intermediary object • using multiple copies of a unit • iterating a single unit - Selects and uses appropriate non-standard units to estimate, measure, and compare length, area, capacity, and mass. Big Idea: Many things in our world (e.g., objects, spaces, events) have attributes that can be measured and compared. Understanding attributes that can be measured - Understands that some things have more than one attribute that can be measured (e.g., an object can have both length and mass). - Extends understanding of length to other linear
2.SS.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).	Teacher Cards Measurement Cluster 1: Using Non- Standard Units 1: Measuring Length 1 2: Measuring Length 2 7: Using Non-Standard Units Consolidation	Getting Ready for School The Discovery To Scaffold: The Amazing Seed Animal Measures To Extend: Goat Island The Bunny Challenge Measurements About YOU!	measurements (e.g., height, width, distance around). Big Idea: Assigning a unit to a continuous attribute allows us to measure and make comparisons. Selecting and using non-standard units to estimate, measure, and make comparisons - Understands that there should be no gaps or overlaps when measuring. - Demonstrates ways to estimate, measure, compare, and order objects by length, area, capacity, and mass with non-standard units by • using multiple copies of a unit • iterating a single unit
2.SS.5. Demonstrate that changing the orientation of an object does not alter the measurements of its attributes.	Teacher Card Measurement Cluster 1: Using Non- Standard Units 1: Measuring Length	To Extend: • Goat Island • The Bunny Challenge • Measurements About YOU!	Big Idea: Many things in our world (e.g., objects, spaces, events) have attributes that can be measured and compared. Understanding attributes that can be measured - Understands conservation of length (e.g., a string is the same length when straight and not straight), capacity (e.g., two differently shaped containers may hold the same amount), and area (e.g., two surfaces of different shapes can have the same area).



Shape and Space (3-D Ob	jects and 2-D Shapes)		
2.SS.6 . Sort 2-D shapes and 3-D objects using two attributes, and explain the sorting rule.	Teacher Cards Geometry Cluster 1: 2-D Shapes 1: Sorting 2-D Shapes Geometry Cluster 2: 3-D Objects 6: Sorting 3-D Solids Math Every Day Cards 2B: Which Solid Does Not Belong?	I Spy Awesome Buildings Sharing Our Stories To Scaffold: What Was Here?	Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes. Investigating geometric attributes and properties of 2-D shapes and 3-D solids - Compares 2-D shapes and 3-D solids to find the similarities and differences. - Analyzes geometric attributes of 2-D shapes and 3-D solids (e.g., number of sides, corners). - Classifies and names 2-D shapes based on common attributes Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Identifying, sorting, and classifying attributes and patterns mathematically (e.g., number of sides, shape, size) - Identifies the sorting rule used to sort sets.
2.SS.7. Describe, compare, and construct 3-D objects, including	Teacher Cards Geometry Cluster 2: 3-D Objects 6: Sorting 3-D Solids 8: Constructing 3-D Solids 9: Constructing Skeletons 10: 3-D Solids Consolidation Geometry Cluster 3: Geometric Relationships 13: Visualizing Shapes and Solids Math Every Day Cards 2A: Geometry in Poetry What Do You See? 3B: Name the Solid	I Spy Awesome Buildings To Scaffold: What Was Here? To Extend: WONDERful Buildings	- Identifies the sorting rule used to sort sets. - Sorts a set of objects based on two attributes. Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes. Investigating geometric attributes and properties of 2-D shapes and 3-D solids - Compares 2-D shapes and 3-D solids to find the similarities and differences. - Analyzes geometric attributes of 2-D shapes and 3-D solids (e.g., number of sides, corners). - Classifies and names 2-D shapes based on common attributes - Constructs and compares 3-D solids with given attributes (e.g., number of vertices, faces).



2.SS.8. Describe, compare	Teacher Cards	• I Spy Awesome Buildings	Big Idea: 2-D shapes and 3-D solids can be analyzed
and construct 2-D shapes,	Geometry Cluster 1: 2-D Shapes	,	and classified in different ways by their attributes.
including	1: Sorting 2-D Shapes ⁽¹⁾	To Scaffold:	Investigating geometric attributes and properties of
• triangles	2: Exploring 2-D Shapes	What Was Here?	2-D shapes and 3-D solids
• squares	3: Constructing 2-D Shapes	The Tailor Shop	- Compares 2-D shapes to find the similarities and
rectangles	5: 2-D Shapes Consolidation	·	differences.
• circles.	Geometry Cluster 3: Geometric	To Extend:	- Analyzes geometric attributes of 2-D shapes (e.g.,
	Relationships	 WONDERful Buildings 	number of sides, corners).
	13: Visualizing Shapes and Solids ⁽²⁾	Gallery Tour	- Classifies and names 2-D shapes based on common
			attributes.
	Math Every Day Cards		- Constructs and compares 2-D shapes with given
	1: Visualizing Shapes		attributes (e.g., number of vertices).
	Comparing Shapes		Big Idea: Regularity and repetition form patterns
	3B: Draw the Shape		that can be generalized and predicted
			mathematically.
	(1) also 2.SS.6		Identifying, sorting, and classifying attributes and
	(2) also 2.SS.7		patterns mathematically (e.g., number of sides,
			shape, size)
			- Identifies the sorting rule used to sort sets.
			- Sorts a set of objects based on two attributes.
2.SS.9. Identify 2-D shapes	Teacher Cards	I Spy Awesome Buildings	Big Idea: 2-D shapes and 3-D solids can be analyzed
as parts of 3-D objects in	Geometry Cluster 2: 3-D Solids	 Sharing Our Stories 	and classified in different ways by their attributes.
the environment.	7: 3-D Solids Around Us		Investigating geometric attributes and properties of
	Geometry Cluster 3: Geometric	To Scaffold:	2-D shapes and 3-D solids
	Relationships	What Was Here?	- Compares 2-D shapes and 3-D solids to find the
	12: Building with Solids	The Tailor Shop	similarities and differences.
			- Analyzes geometric attributes of 2-D shapes and 3-
	Math Every Day Cards	To Extend:	D solids (e.g., number of sides, corners).
	2B: Solids Around Us	 WONDERful Buildings 	- Identifies 2-D shapes in 3-D objects in the
		Gallery Tour	environment.
			- Classifies and names 2-D shapes based on common
			attributes





Mathology 2 Correlation (Statistics and Probability) – Manitoba

Learning Outcomes	Mathology Grade 2 Classroom	Mathology Little Books	Pearson Canada K-3 Mathematics Learning
Statistics and Probability	Activity Kit		Progression
2.SP.1. Gather and record data about self and others to answer questions.	Teacher Cards Data Management and Probability Cluster 1: Data Management 3: Creating a Survey Math Every Day Card 1: Conducting Surveys	Big Buddy Days Marsh Watch To Scaffold: Graph It! To Extend: Welcome to The Nature Park	Big Idea: Formulating questions, collecting data, and consolidating data in visual and graphical displays help us understand, predict, and interpret situations that involve uncertainty, variability, and randomness. Formulating questions to learn about groups, collections, and events by collecting relevant data - Formulates questions that can be addressed through simple surveys. Collecting data and organizing it into categories - Collects data from simple surveys concretely (e.g., shoes, popsicle sticks) or using simple records (e.g., check marks, tallies).
2.SP.2. Construct and interpret concrete graphs and pictographs to solve problems	Teacher Cards Data Management and Probability Cluster 1: Data Management 1: Interpreting Graphs 1 4: Making Graphs 1 6: Data Management Consolidation Math Every Day Card 1: Reading and Interpreting Graphs	 Big Buddy Days Marsh Watch To Scaffold: Graph It! To Extend: Welcome to The Nature Park 	Big Idea: Formulating questions, collecting data, and consolidating data in visual and graphical displays help us understand, predict, and interpret situations that involve uncertainty, variability, and randomness. Creating graphical displays of collected data - Creates displays using objects or simple pictographs (may use symbol for data). - Displays data collected in more than one way and describes the differences (e.g., bar graph, pictograph). Reading and interpreting data displays - Interprets displays by noting how many more/less than other categories. Drawing conclusions by making inferences and justifying decisions based on collected data - Poses and answers questions about data collected and displayed.



Note: The following activities are not specifically correlated to the Manitoba learning outcomes for Grade 2 but may be of interest to teachers in preparing a strong foundation for mathematics:

Number

Activities 17 - 21: Early Fractional Thinking

Math Every Day Card 4A: Equal Parts from Home, Modelling Fraction

Amounts

Math Every Day Card 4B: Regrouping Equal Parts, Naming Equal Parts

Activities 37 – 42: Early Multiplicative Thinking

Math Every Day Card 8A: Counting Equal Groups to Find How Many, I Spy

Math Every Day Card 8B: How Many Blocks?, How Many Ways?

Activity 46: Saving Regularly

Activity 47: Financial Literacy Consolidation

Pattern and Algebra

Activity 8: Decreasing Patterns
Activity 19: Missing Numbers

Math Every Day Card 3B: What's Missing?

Measurement

Activity 5: Measuring Area

Activity 6: Measuring Capacity

Activities 8 – 12: Using Standard Units

Math Every Day Card 2: What Am I?; Which Unit?

Activity 15: Measuring Time

Activity 16: Time to the Quarter-Hour

Activity 17: Changes in Temperature

Activity 18: Time and Temperature Consolidation

Math Every Day Card 3A: Hula Hoop Clock

Math Every Day Card 3B: Thermometer Drop or Pop

Geometry

Activity 4: Symmetry in 2-D Shapes

Activity 11: Making Shapes

Activity 14: Creating Pictures and Designs

Activity 15: Covering Outlines

Activity 16: Creating Symmetrical Designs

Activity 17: Geometric Relationships: Consolidation

Math Every Day 3A: Fill Me In!, Make Me a Picture

Activities 18 – 21: Location and Movement

Math Every Day Card 4A: Our Design, Treasure Map

Math Every Day Card 4B: Crazy Creatures, Perspective Matching Game

Activities 22 – 25: Coding

Math Every Day Card 5: Code of the Day, Wandering Animals

Data Management and Probability

Activity 2: Interpreting Graphs 2

Activity 5: Making Graphs 2

Activities 7 – 9: Probability and Chance

Math Every Day Card 2: What's in the Bag?, Word of the Day

