Grade 1 Ontario Mathology.ca Sample Long-Range Pathway

In the example below, the suggested learning is balanced, starting with Patterning, but focused on Number most of the first months of math instruction.

	Strand	Big Idea	Mathology Activity Lessons	Grade 1 Mathology Little Books
Sept.	Patterning and Algebra	Regularity and repetition form patterns that can be generalized and predicted	Patterning and Algebra Cluster 1 Investigating Repeating Patterns 1.Repeating the Core 2.Representing Patterns 3.Predicting Elements 4.Finding Patterns 5.Consolidation Cluster 2 Creating Patterns 6.Extending Patterns 7.Translating Patterns 8.Errors and Missing Elements 9.Consolidation	Midnight and Snowfall
Sept.	Number	Numbers tell us how many and how much	Number Cluster 1 Counting 1.Counting to 20 2.Counting to 50 3.Counting On and Back 4.Ordinal Numbers 5.Consolidation	On Safari! A Family Cookout Paddling the River

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Oct.	Number	Numbers tell us how many and how much	Number Cluster 2 Spatial Reasoning 6. Subitizing to 10 7.Estimating Quantities 8.Consolidation	Paddling the River
Oct.	Number	Numbers are related in many ways	Number Cluster 3 Comparing and Ordering 9. Comparing Sets Concretely 10.Comparing Sets Pictorially 11.Comparing Numbers to 50 12.Consolidation	Cats and Kittens!
Nov.	Number	Numbers tell us how many and how much	Number Cluster 4 Skip-Counting 13.Skip-Counting Forward 14.Skip-Counting with Leftovers 15.Skip-Counting Backward 16.Consolidation	How Many is Too Many?
Nov.	Number	Numbers are related in many ways	Number Cluster 5 Composing and Decomposing 17.Decomposing 10 18.Numbers to 10 19.Numbers to 20 20.Decomposing 50 21.Money Amounts 22.Equal Groups 23.Equal Parts 24.Sharing Equally 25.Comparing and Ordering Unit Fractions 26.Consolidation	Paddling the River That's 10!

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Dec.	Geometry	2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change	Geometry Cluster 1 2-D Shapes 1.Sorting Shapes 2.Identifying Triangles 3.Identifying Rectangles 4.Visualizing Shapes 5.Sorting Rules 6.Consolidation	The Tailor Shop What Was Here?
Dec.	Geometry	2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change	Geometry Cluster 2 3-D Solids 7.Exploring 3-D Solids 8.Faces of Solids 9.Sorting 3-D Solids 10.Identify the Sorting Rule 11.Constructing Solids and Skeletons 12.Consolidation	What Was Here?
Jan.	Measurement	Many things in our world have attributes that can be measured and compared	Measurement Cluster 1 Comparing Objects 1.Identifying Attributes 2.Comparing Length 3.Matching Lengths 4.Comparing Mass 5.Comparing Capacity 6.Making Comparisons 7.Comparing Area 8. Consolidation	The Amazing Seed
Jan.	Measurement	Assigning a unit to a continuous attribute allows us to measure and make comparisons	Measurement Cluster 2 Time 9. Relating to Seasons 10.The Calendar 11. Consolidation	Animal Measures

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Feb.	Number	Quantities and numbers can be added and subtracted to tell how many and how much	Number Cluster 7 Operational Fluency 31.More or Less 32.Complements of 10 33.Adding to 20 34.Subtracting to 50	Hockey Time! Buy 1 – Get 1 Canada's Oldest Sport Cats and Kittens!
Feb.	Patterning and Algebra	Patterns and relations can be represented with symbols, equations, and expressions	Patterning and Algebra Cluster 3 Equality and Inequality 10.Exploring Sets 11.Making Equal Sets 12.Using Symbols 13.Consolidation	Nutty and Wolfy
Mar.	Number	Quantities and numbers can be added and subtracted to tell how many and how much	Number Cluster 7 Operational Fluency 35.The Number Line 36.Doubles 37.Part-Part-Whole 38.Exploring Properties 39.Solving Story Problems 40. Adding and Subtracting to 50 41.Consolidation	Hockey Time! Buy 1 – Get 1 Canada's Oldest Sport Cats and Kittens!
Mar.	Number	Numbers tell us how many and how much	Number Cluster 8 Financial Literacy 42.Values of Coins 43.Values of Bills 44.Counting Collections 45.Fair Trades 46.Wants and Needs 47.Consolidation	

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Apr.	Number	Quantities and numbers can be added and subtracted to tell how many and how much	Revisit Number Cluster 7 Operational Fluency 31.More or Less 32.Complements of 10 33.Adding to 20 34.Subtracting to 50 35.The Number Line 36.Doubles 37.Part-Part-Whole 38.Exploring Properties 39.Solving Story Problems 40. Adding and Subtracting to 50 41.Consolidation	On Safari! Hockey Time! Buy 1 – Get 1 Canada's Oldest Sport Cats and Kittens!
May	Number	Quantities and numbers can be grouped by or partitioned into equal-sized units	Number Cluster 6 Early Place Value 27.Tens and Ones 28.Building and Naming Numbers 29.Different Representations 30.Consolidation	At the Corn Farm
May	Geometry	2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change	Geometry Cluster 3 Symmetry 13.Finding Lines of Symmetry 14.Creating Symmetrical Designs 15.Bulding Symmetrical Solids 16.Consolidation	What Was Here? The Tailor Shop

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June	Geometry	Objects can be located in space and viewed from multiple perspectives*	Geometry Cluster 4 Location and Movement 17.Perspective Taking 18.Mapping 19.Exploring Coding 20.Coding on a Grid 21.Number Codes 22.Consolidation	Memory Book
June	Data Management and Probability	Formulating questions, collecting data, and consolidating data in visual and graphical displays helps us to understand, predict, and interpret situations that involve uncertainty, variability and randomness	Data Management and Probability Cluster 1 Data Management 1.Sorting Data 2.Interpreting Graphs 3.Making Concrete Graphs 4.Making Pictographs 5.Consolidation Cluster 2 Probability and Chance 6.Likelihood of Events 7.Making and Testing Predictions 8.Consolidation	Graph It!