



Grade 3 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 Ideas	Mathology Lessons	Mathology Little Books
Sept.	Patterning and Algebra	Regularity and repetition form patterns that can be generalized and predicted	Patterning and Algebra Unit 2 Repeating Patterns 10.Sorting with Attributes 11.Identifying and Extending Patterns 12.Creating Patterns 13.Consolidation	
Sept.	Number	Numbers tell us how many and how much	Number Unit 1 Counting 1.Numbers All Around Us 2.Counting to 1000 3.Skip-Counting Forward and Backward 4.Consolidation	How Numbers Work

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Oct.	Patterning and Algebra	Regularity and repetition form patterns that can be generalized and predicted	Patterning and Algebra Unit 1 Patterns and Expressions 1.Describing and Extending Patterns 2.Representing Patterns 3.Creating Patterns 4.Identifying Errors and Missing Terms 5.Solving Problems 6.Exploring Multiplicative Patterns 7.Patterns in Whole Numbers 8.Equivalent Expressions 9.Consolidation	Namir's Marvelous Masterpieces
Oct.	Number	Numbers are related in many ways	Number Unit 2 Number Relationships 5.Estimating Quantities 6.Composing and Decomposing Quantities 7.Comparing and Ordering Quantities 8.Consolidation	Fantastic Journeys
Nov.	Number	Quantities and numbers can be partitioned into equal-sized units	Number Unit 3 Place Value 9.Building Numbers 10.Representing Numbers in Different Ways 11.What's the Number? 12.Rounding Numbers 13.Consolidation	Finding Buster How Numbers Work

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Nov.	Number	Quantities and numbers can be added and subtracted to tell how many and how much	Number Unit 5 Addition and Subtraction 19.Modelling Addition and Subtraction 20.Estimating Sums and Differences 22.Using Mental Math to Add and Subtract 23.Creating and Solving Problems 24.Creating and Solving Problems with Larger Numbers 25.Consolidation	The Street Party Planting Seeds
Dec.	Measurement	Many things in our world (e.g., objects, spaces, events) have attributes that can be measured and compared	Measurement Unit 3 Area, Mass, and Capacity 9.Measuring Area Using Non-Standard Units 10. Measuring Area Using Standard Units 11.Measuring Mass Using Non-Standard Units 12.Measuring Capacity Using Non-Standard Units 13.Consolidation	The Bunny Challenge Measurements About You!
Dec.	Measurement	Assigning a unit to a continuous attribute allows us to measure and make comparisons	Measurement Unit 1 Length, Perimeter, and Time 1.Estimating Length 2.Relating Millimetres, Centimetres, Metres, and Kilometres 3.Measuring Length 4.Introducing Perimeter 5.Measuring Perimeter 6.How Many Can You Make? 7.Telling Time 8.Consolidation	The Bunny Challenge Measurements About You

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Jan.	Geometry	<p>2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes</p> <p>2-D shapes and 3-D solids can be transformed in many ways and analyzed for change</p>	<p>Geometry Unit 1 2-D Shapes</p> <ol style="list-style-type: none"> 1.Sorting Polygons 2.Exploring Congruency 3.What's the Sorting Rule? 4.Composing Shapes 5.Consolidation <p>Unit 4 Angles</p> <ol style="list-style-type: none"> 18.Investigating Angles 19.Comparing Angles 20.Consolidation 	Gallery Tour
Feb.	Geometry	<p>2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes</p>	<p>Geometry Unit 2 3-D Solids</p> <ol style="list-style-type: none"> 6.Exploring Geometric Attributes of Solids 7.Building Solids 8.Constructing Skeletons 9.Working with Nets 10.Consolidation 	Wonderful Buildings
Feb	Number	<p>Quantities and numbers can be added and subtracted to tell how many and how much</p>	<p>Number Unit 7 Financial Literacy</p> <ol style="list-style-type: none"> 35.Estimating and Counting Money 36.Adding and Subtracting Money Amounts 37.Purchasing and Making Change 38.Consolidation 	The Street Party

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March	Number	Quantities and numbers can be grouped by and partitioned into units to determine how many and much	Number Unit 6 Multiplication and Division 26.Exploring Multiplication 27.Exploring Division 28.Relating Multiplication and Division 29.Properties of Multiplication 30.Multiplying and Dividing Larger Numbers 31.Creating and Solving Problems 32.Building Fluency: The Games Room 33.Investigating Ratios 34.Consolidation	Planting Seeds Sports Camp
April	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 Unit 1 Data Management 1.Sorting People and Things 2.Interpreting Graphs 3.Collecting and Organizing Data 4.Drawing Graphs 5.Identifying the Mode and the Mean 6.Consolidation Unit 2 Probability and Chance 7.Making Predictions 8.Describing the Likelihood of Outcomes 9.Who's Likely to Win? 10.Consolidation	Welcome to the Nature Park Chance

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May	Number	Quantities and numbers can be grouped by or partitioned into equal-sized units	Number Unit 4 Fractions 14.Exploring Equal Parts 15.Comparing Fractions 1 16.Comparing Fractions 2 17.Partitioning Sets 18.Consolidation	Hockey Homework
May	Geometry	Objects can be located in space and viewed from multiple perspectives	Geometry Unit 3 Mapping and Coding 11.Describing Location 12.Exploring Movements 13.Describing Movement on a Map 14. Coding on a Grid 15.Exploring Loops in Coding 16.Alterng Code 17.Consolidation	Finding Buster Robo (Grade 2)
June	Review		Review	