

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 |
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| 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 Core2.Representing Patterns3.Predicting Elements4.Finding Patterns5.ConsolidationCluster 2 Creating Patterns6.Extending Patterns7.Translating Patterns8.Errors and Missing Elements9.Consolidation | Midnight and Snowfall |
| Sept. | Number | Numbers tell us how many and how much | Number Cluster 1 Counting1.Counting to 202.Counting to 503.Counting On and Back4.Ordinal Numbers5.Consolidation | On Safari!A Family CookoutPaddling the River |
| Oct. | Number | Numbers tell us how many and how much | Number Cluster 2 Spatial Reasoning6. Subitizing to 107.Estimating Quantities8.Consolidation | Paddling the River |
| Oct. | Number | Numbers are related in many ways | Number Cluster 3 Comparing and Ordering9. Comparing Sets Concretely10.Comparing Sets Pictorially11.Comparing Numbers to 5012.Consolidation | Cats and Kittens! |
| Nov. | Number | Numbers tell us how many and how much | Number Cluster 4 Skip-Counting13.Skip-Counting Forward14.Skip-Counting with Leftovers15.Skip-Counting Backward16.Consolidation | How Many is Too Many? |
| Nov. | Number | Numbers are related in many ways | Number Cluster 5 Composing and Decomposing17.Decomposing 1018.Numbers to 1019.Numbers to 2020.Decomposing 5021.Money Amounts22.Equal Groups23.Equal Parts24.Sharing Equally25.Comparing and Ordering Unit Fractions26.Consolidation | Paddling the RiverThat’s 10! |
| Dec. | Geometry | 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes2-D shapes and3-D solids can be transformed in many ways and analyzed for change | Geometry Cluster 1 2-D Shapes 1.Sorting Shapes2.Identifying Triangles3.Identifying Rectangles4.Visualizing Shapes5.Sorting Rules6.Consolidation | The Tailor ShopWhat Was Here? |
| Dec. | Geometry | 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes2-D shapes and 3-D solids can be transformed in many ways and analyzed for change | Geometry Cluster 2 3-D Solids7.Exploring 3-D Solids8.Faces of Solids9.Sorting 3-D Solids10.Identify the Sorting Rule11.Constructing Solids and Skeletons12.Consolidation | What Was Here? |
| Jan. | Measurement | Many things in our world have attributes that can be measured and compared | Measurement Cluster 1 Comparing Objects1.Identifying Attributes2.Comparing Length3.Matching Lengths4.Comparing Mass5.Comparing Capacity6.Making Comparisons7.Comparing Area8. Consolidation | The Amazing Seed |
| Jan. | Measurement | Assigning a unit to a continuous attribute allows us to measure and make comparisons | Measurement Cluster 2 Time9. Relating to Seasons10.The Calendar11. Consolidation | Animal Measures |
| Feb. | Number | Quantities and numbers can be added and subtracted to tell how many and how much | Number Cluster 7 Operational Fluency31.More or Less32.Complements of 1033.Adding to 2034.Subtracting to 50 | Hockey Time!Buy 1 – Get 1Canada’s Oldest SportCats and Kittens! |
| Feb. | Patterning and Algebra  | Patterns and relations can be represented with symbols, equations, and expressions | Patterning and Algebra Cluster 3 Equality and Inequality10.Exploring Sets11.Making Equal Sets12.Using Symbols13.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 Fluency35.The Number Line36.Doubles37.Part-Part-Whole38.Exploring Properties39.Solving Story Problems40. Adding and Subtracting to 5041.Consolidation | Hockey Time!Buy 1 – Get 1Canada’s Oldest SportCats and Kittens! |
| Mar. | Number | Numbers tell us how many and how much | Number Cluster 8 Financial Literacy42.Values of Coins43.Values of Bills44.Counting Collections45.Fair Trades46.Wants and Needs47.Consolidation |  |
| **Apr.** | Number | Quantities and numbers can be added and subtracted to tell how many and how much | Revisit Number Cluster 7 Operational Fluency31.More or Less32.Complements of 1033.Adding to 2034.Subtracting to 5035.The Number Line36.Doubles37.Part-Part-Whole38.Exploring Properties39.Solving Story Problems40. Adding and Subtracting to 5041.Consolidation | On Safari!Hockey Time!Buy 1 – Get 1Canada’s Oldest SportCats and Kittens! |
| May | Number | Quantities and numbers can be grouped by or partitioned into equal-sized units | Number Cluster 6 Early Place Value27.Tens and Ones28.Building and Naming Numbers29.Different Representations30.Consolidation | At the Corn Farm |
| May | Geometry | 2-D shapes and3-D solids can be analyzed and classified in different ways by their attributes2-D shapes and 3-D solids can be transformed in many ways and analyzed for change | Geometry Cluster 3 Symmetry13.Finding Lines of Symmetry14.Creating Symmetrical Designs15.Bulding Symmetrical Solids16.Consolidation | What Was Here?The Tailor Shop |
| June | Geometry | Objects can be located in space and viewed from multiple perspectives\* | Geometry Cluster 4 Location and Movement17.Perspective Taking18.Mapping19.Exploring Coding20.Coding on a Grid21.Number Codes22.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 Management1.Sorting Data2.Interpreting Graphs3.Making Concrete Graphs4.Making Pictographs5.ConsolidationCluster 2 Probability and Chance6.Likelihood of Events7.Making and Testing Predictions8.Consolidation | Graph It! |