

Ontario math curriculum 2020	Scholastic Math Place		
Grade Three	Gr3 ON Number and Financial Literacy TG	Gr3 ON Algebra and Data TG	Gr3 ON Spatial Sense TG
A1. Social-Emotional Learning (SEL) Skills and the Mathematical Processes apply, to the best of their ability, a variety of social-emotional learning skills to support their use of the mathematical processes and their learning in connection with the expectations in the other five strands of the mathematics curriculum	pp. 9-10, 15-20; and as identified below	pp. 7-8; and as identified below	pp. 6-7; and as identified below
SEL Skills			
1. identify and manage emotions	pp. 18, 202, 439	pp. 151, 162, 230	pp. 18, 33-34, 108, 163, 309
2. recognize sources of stress and cope with challenges	pp. 18, 202, 439	pp. 162, 230	pp. 18, 33-34, 108, 163, 309
3. maintain positive motivation and perseverance	pp. 19, 43, 127, 192, 197, 303, 417, 421, 444, 467	pp. 33, 37, 39, 70, 117, 248	pp. 50, 57, 65, 130, 169, 252, 272
4. build relationships and communicate effectively	pp. 19, 116, 214, 235, 245, 281-282, 297, 331	pp. 102, 140, 239	pp. 121, 175
5. develop self-awareness and sense of identity	pp. 19, 86, 94, 231, 255, 341, 374, 485	pp. 81, 130, 146, 201, 212	pp. 86, 182, 299
6. think critically and creatively	pp. 19-20, 39, 105, 134, 148, 177, 265, 357, 379, 385, 393, 409, 427, 471, 479	pp. 16, 95, 151, 177	pp. 22, 34, 91, 113, 145, 149, 224, 231, 257, 275, 289, 299, 306, 325
Mathematical processes			
problem solving: develop, select, and apply problem-solving strategies	Introducing Social-Emotional Learning Skills: Your Fantastic Elastic Brain; Introducing Number Sense; Quantities and Counting to 500 Lessons 2, 3, 4, 5, 6, 7, 8, 9-10, 11-12, 13, 14, 15; Multiplication and Division Lessons 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21, 22; Quantities and Counting to 100 Lessons 1-2, 3, 4, 5, 6, 7, 8, 9-10, 11, 12; Addition and Subtraction Lessons 2-3, 4, 5, 6-8, 9, 10, 11, 12, 13-14, 15, 16-21, 22; Financial Literacy Lessons 4, 5-6, 7, 8-9, 10; Fractions Lessons 4, 10, 11, 12, 13, 14	Introducing Patterning; Patterning Lessons 1-2, 3-6, 7-9, 10-11, 12, 13-14, 15, 16; Introducing Algebra (Equality and Inequality); Algebra (Equality and Inequality) Lessons 2, 3-4, 5-6, 8-10, 11; Introducing Data Literacy; Data Literacy Lessons 2, 3, 4-6, 7-10, 11-13, 14, 15-18; Introducing Probability; Probability Lessons 2, 3-4, 5-8, 10	Three-Dimensional Objects; Three-Dimensional Objects Lessons 1, 2, 4, 5, 6-7, 9, 10, 11-12, 13, 14-15; Location, Movement, and Coding Concepts Lessons 2, 4-5, 6-10, 11; Introduction to Measurement Lesson 2; Linear Measurement Lessons 1, 2, 3, 4, 5-7, 8, 9; Perimeter and Area Lessons 2, 3-4, 5-6, 7, 8, 9, 11, 12, 13-14, 15-16; Mass Lessons 1, 2, 3, 4-5, 6; Capacity Lessons 1-3, 4, 5, 6, 7; Time Lessons 4, 5

<p>reasoning and proving: develop and apply reasoning skills (e.g., classification, recognition of relationships, use of counter-examples) to justify thinking, make and investigate conjectures, and construct and defend arguments</p>	<p>Introducing Social-Emotional Learning Skills: Your Fantastic Elastic Brain; Introducing Number Sense; Quantities and Counting to 500 Lessons 2, 3, 4, 5, 6, 7, 8, 9-10, 11-12, 13, 14, 15; Multiplication and Division Lessons 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21, 22; Quantities and Counting to 100 Lessons 1-2, 3, 4, 5, 6, 7, 8, 9-10, 11, 12; Addition and Subtraction Lessons 2-3, 4, 5, 9, 11, 12, 13-14, 15, 16-21, 22; Financial Literacy Lessons 1, 2, 3, 5-6, 7, 8-9, 10; Fractions Lessons 1, 2, 4, 5, 6-7, 8, 9, 10, 11, 12, 13, 14</p>	<p>Introducing Patterning; Patterning Lessons 1-2, 3-6, 7-9, 10-11, 12, 13-14, 15, 16; Introducing Algebra (Equality and Inequality); Algebra (Equality and Inequality) Lessons 2, 3-4, 5-6, 8-10, 11; Introducing Data Literacy; Data Literacy Lessons 2, 3, 4-6, 7-10, 11-13, 14, 15-18; Introducing Probability; Probability Lessons 2, 3-4, 5-8, 10</p>	<p>Three-Dimensional Objects; Three-Dimensional Objects Lessons 1, 2, 4, 5, 6-7, 9, 10, 11-12, 13, 14-15; Location, Movement, and Coding Concepts Lessons 2, 4-5, 6-10, 11; Introduction to Measurement Lesson 2; Linear Measurement Lessons 1, 2, 3, 4, 5-7, 8, 9; Perimeter and Area Lessons 2, 3-4, 5-6, 7, 8, 9, 11, 12, 13-14, 15-16; Mass Lessons 1, 2, 3, 4-5, 6; Capacity Lessons 1-3, 4, 5, 6, 7; Time Lessons 1-3, 4, 5</p>
<p>reflecting: demonstrate that as they solve problems, they are pausing, looking back, and monitoring their thinking to help clarify their understanding (e.g., by comparing and adjusting strategies used, by explaining why they think their results are reasonable, by recording their thinking in a math journal)</p>	<p>Introducing Social-Emotional Learning Skills: Your Fantastic Elastic Brain; Introducing Number Sense; Quantities and Counting to 500 Lessons 2, 3, 4, 5, 6, 7, 8, 9-10, 11-12, 13, 14, 15; Multiplication and Division Lessons 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21, 22; Quantities and Counting to 100 Lessons 3, 4, 5, 6, 7, 8, 9-10, 11, 12; Addition and Subtraction Lessons 2-3, 4, 9, 11, 12, 13-14, 15, 16-21, 22; Financial Literacy Lessons 1, 2, 3, 4, 5-6, 7, 8-9, 10; Fractions Lessons 1, 2, 4, 5, 6-7, 8, 9, 10, 11, 12, 13, 14</p>	<p>Introducing Patterning; Patterning Lessons 1-2, 3-6, 7-9, 10-11, 12, 13-14, 15, 16; Introducing Algebra (Equality and Inequality); Algebra (Equality and Inequality) Lessons 2, 3-4, 5-6, 8-10, 11; Introducing Data Literacy; Data Literacy Lessons 2, 3, 4-6, 7-10, 11-13, 15-18, 2, 3-4, 5-8, 10</p>	<p>Three-Dimensional Objects; Three-Dimensional Objects Lessons 1, 2, 4, 5, 6-7, 9, 10, 11-12, 13; Location, Movement, and Coding Concepts Lessons 2, 4-5, 6-10, 11; Introduction to Measurement Lesson 2; Linear Measurement Lessons 1, 2, 3, 4, 5-7, 8, 9; Perimeter and Area Lessons 2, 3-4, 5-6, 7, 8, 9, 11, 12, 13-14, 15-16; Mass Lessons 1, 2, 3, 4-5, 6; Capacity Lessons 1-3, 4, 5, 6, 7; Time Lessons 1-3, 4, 5</p>
<p>connecting: make connections among mathematical concepts, procedures, and representations, and relate mathematical ideas to other contexts (e.g., other curriculum areas, daily life, sports)</p>	<p>Introducing Social-Emotional Learning Skills: Your Fantastic Elastic Brain; Introducing Number Sense; Quantities and Counting to 500 Lessons 2, 3, 4, 5, 6, 7, 8, 9-10, 11-12, 13, 14, 15; Multiplication and Division Lessons 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21, 22; Quantities and Counting to 100 Lessons 1-2, 3, 4, 5, 6, 7, 8, 9-10, 11, 12; Addition and Subtraction Lessons 2-3, 4, 5, 9, 10, 11, 12, 13-14, 15, 16-21, 22; Financial Literacy Lessons 1, 2, 3, 4, 5-6, 7, 8-9, 10; Fractions Lessons 1, 2, 4, 5, 6-7, 8, 9, 10, 11, 12, 13, 14</p>	<p>Introducing Patterning; Patterning Lessons 1-2, 3-6, 7-9, 10-11, 12, 13-14, 15, 16; Introducing Algebra (Equality and Inequality); Algebra (Equality and Inequality) Lessons 2, 3-4, 5-6, 8-10, 11; Introducing Data Literacy; Data Literacy Lessons 2, 3, 4-6, 7-10, 11-13, 15-18; Introducing Probability; Probability Lessons 2, 3-4, 5-8, 10</p>	<p>Three-Dimensional Objects; Three-Dimensional Objects Lessons 1, 2, 4, 5, 6-7, 9, 10, 11-12, 13, 14-15; Location, Movement, and Coding Concepts Lessons 2, 4-5, 6-10, 11; Introduction to Measurement Lesson 2; Linear Measurement Lessons 1, 2, 3, 4, 5-7, 8, 9; Perimeter and Area Lessons 2, 3-4, 5-6, 7, 8, 9, 11, 12, 13-14, 15-16; Mass Lessons 1, 2, 3, 4-5, 6; Capacity Lessons 1-3, 4, 5, 6, 7; Time Lessons 1-3, 4, 5</p>
<p>communicating: express and understand mathematical thinking, and engage in mathematical arguments using everyday language, language resources as necessary, appropriate mathematical terminology, a variety of representations, and mathematical conventions</p>	<p>Introducing Social-Emotional Learning Skills: Your Fantastic Elastic Brain; Introducing Number Sense; Quantities and Counting to 500 Lessons 2, 3, 4, 5, 6, 7, 8, 9-10, 11-12, 13, 14, 15; Multiplication and Division Lessons 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21, 22; Quantities and Counting to 100 Lessons 1-2, 3, 4, 5, 6, 7, 8, 9-10, 11, 12; Addition and Subtraction Lessons 2-3, 4, 5, 6-8, 9, 10, 11, 12, 13-14, 15, 16-21, 22; Financial Literacy Lessons 1, 2, 3, 4, 5-6, 7, 8-9, 10; Fractions Lessons 1, 2, 4, 5, 6-7, 8, 9, 10, 11, 12, 13, 14</p>	<p>Introducing Patterning; Patterning Lessons 1-2, 3-6, 7-9, 10-11, 12, 15, 16; Introducing Algebra (Equality and Inequality); Algebra (Equality and Inequality) Lessons 2, 3-4, 5-6, 8-10, 11; Introducing Data Literacy; Data Literacy Lessons 2, 3, 4-6, 7-10, 11-13, 14, 15-18; Introducing Probability; Probability Lessons 2, 3-4, 5-8, 10</p>	<p>Three-Dimensional Objects; Three-Dimensional Objects Lessons 1, 2, 4, 5, 6-7, 9, 10, 11-12, 13, 14-15; Location, Movement, and Coding Concepts Lessons 2, 4-5, 6-10, 11; Introduction to Measurement Lesson 2; Linear Measurement Lessons 1, 2, 3, 4, 5-7, 8, 9; Perimeter and Area Lessons 2, 3-4, 5-6, 7, 8, 9, 11, 12, 13-14, 15-16; Mass Lessons 1, 2, 3, 4-5, 6; Capacity Lessons 1-3, 4, 5, 6, 7; Time Lessons 1-3, 4, 5</p>
<p>representing: select from and create a variety of representations of mathematical ideas (e.g., representations involving physical models, pictures, numbers, variables, graphs), and apply them to solve problems</p>	<p>Introducing Number Sense; Quantities and Counting to 500 Lessons 2, 3, 4, 5, 6, 7, 8, 9-10, 11-12, 13, 14, 15; Multiplication and Division Lessons 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21, 22; Quantities and Counting to 100 Lessons 1-2, 3, 4, 5, 6, 7, 8, 9-10, 11, 12; Addition and Subtraction Lessons 2-3, 4, 5, 6-8, 9, 10, 11, 12, 13-14, 15, 16-21, 22; Financial Literacy Lessons 1, 2, 3, 4, 5-6, 7, 8-9, 10; Fractions Lessons 1, 2, 4, 5, 6-7, 8, 9, 10, 11, 12, 13, 14</p>	<p>Introducing Patterning; Patterning Lessons 1-2, 3-6, 7-9, 10-11, 12, 13-14, 15, 16; Introducing Algebra (Equality and Inequality); Algebra (Equality and Inequality) Lessons 3-4, 5-6, 8-10, 11; Introducing Data Literacy; Data Literacy Lessons 4-6, 7-10, 11-13, 14, 15-18; Introducing Probability; Probability Lessons 3-4, 5-8, 10</p>	<p>Three-Dimensional Objects; Three-Dimensional Objects Lessons 1, 2, 5, 6-7, 9, 10, 11-12, 13; Location, Movement, and Coding Concepts Lessons 2, 4-5, 6-10, 11; Introduction to Measurement Lesson 2; Linear Measurement Lessons 1, 2, 3, 4, 5-7, 8, 9; Mass Lessons 1, 2, 3, 4-5, 6; Capacity Lessons 1-3, 4, 5, 6, 7; Time Lessons 1-3, 4, 5</p>

<p>selecting tools and strategies: select and use a variety of concrete, visual, and electronic learning tools and appropriate strategies to investigate mathematical ideas and to solve problems</p>	<p>Introducing Number Sense; Quantities and Counting to 500 Lessons 2, 3, 5, 6, 7, 8, 9-10, 11-12, 13, 14, 15; Multiplication and Division Lessons 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21, 22; Quantities and Counting to 100 Lessons 1-2, 3, 4, 5, 6, 7, 8, 9-10, 11, 12; Addition and Subtraction Lessons 2-3, 4, 5, 6-8, 9, 10, 11, 12, 13-14, Financial Literacy Lessons 1, 2, 3, 4, 5-6, 7, 8-9, 10; Fractions Lessons 2, 6-7, 8, 9, 10, 11, 12, 13, 14</p>	<p>Introducing Patterning; Patterning Lessons 3-6, 7-9, 10-11, 12, 13-14, 15, 16; Introducing Algebra (Equality and Inequality); Algebra (Equality and Inequality) Lessons 3-4, 5-6, 8-10, 11; Introducing Data Literacy; Data Literacy Lessons 4-6, 7, 11-13, 15-18; Introducing Probability; Probability Lessons 3-4, 5-8, 10</p>	<p>Three-Dimensional Objects; Three-Dimensional Objects Lessons 2, 9, 10, 11-12, 13, 14-15; Location, Movement, and Coding Concepts Lessons 6-10, 11; Linear Measurement Lessons 1, 2, 3, 4, 5-7, 8, 9; Mass Lessons 1, 2, 3, 4-5, 6; Capacity Lessons 1-3, 4, 5, 6, 7</p>
<p>1. express and manage their feelings, and show understanding of the feelings of others, as they engage positively in mathematics activities</p>	<p>Opportunities to observe students demonstrating all these SEL skills are woven throughout the lessons</p>	<p>Opportunities to observe students demonstrating all these SEL skills are woven throughout the lessons</p>	<p>Opportunities to observe students demonstrating all these SEL skills are woven throughout the lessons</p>
<p>2. work through challenging math problems, understanding that their resourcefulness in using various strategies to respond to stress is helping them build personal resilience</p>			
<p>3. recognize that testing out different approaches to problems and learning from mistakes is an important part of the learning process, and is aided by a sense of optimism and hope</p>			
<p>4. work collaboratively on math problems – expressing their thinking, listening to the thinking of others, and practising inclusivity – and in that way foster healthy relationships</p>			
<p>5. see themselves as capable math learners, and strengthen their sense of ownership of their learning, as part of their emerging sense of identity and belonging</p>			
<p>6. make connections between math and everyday contexts to help them make informed judgements and decisions</p>			
<p>B Number</p>			
<p>B1. Number Sense demonstrate an understanding of numbers and make connections to the way numbers are used in everyday life</p>	<p>Introducing Number Sense; Fractions Lesson 11; and throughout the lessons indicated below</p>	<p>Throughout the lessons indicated below.</p>	<p>Throughout the lessons indicated below.</p>
<p>B1.1 Whole Numbers read, represent, compose, and decompose whole numbers up to and including 1000, using a variety of tools and strategies, and describe various ways they are used in everyday life</p>	<p>Quantities and Counting to 500 Lessons 2, 3, 4, 5, 6, 7, 8, 9-10, 11-12, 13, 14, 15, 22; Quantities and Counting to 1000 Lessons 1-2, 3, 4, 5, 6, 7, 8, 9-10, 11, 12</p>	<p>Algebra (Equality and Inequality) Lessons 5-6</p>	
<p>B1.2 Whole Numbers compare and order whole numbers up to and including 1000, in various contexts</p>	<p>Quantities and Counting to 500 Lessons 2, 3, 4, 5, 6, 7, 8, 9-10, 11-12, 13, 15, 22; Quantities and Counting to 1000 Lessons 1-2, 3, 4, 5, 6, 7, 8, 9-10, 11, 12</p>		
<p>B1.3 Whole Numbers round whole numbers to the nearest ten or hundred, in various contexts</p>	<p>Quantities and Counting to 500 Lessons 3, 4, 22</p>		

B1.4 Whole Numbers count to 1000, including by 50s, 100s, and 200s, using a variety of tools and strategies	Quantities and Counting to 500 Lessons 2, 3, 5, 6, 7, 8, 9-10, 11-12, 13, 15, 22; Quantities and Counting to 1000 Lessons 1-2, 3, 4, 5, 6, 7, 8, 9-10, 12; Addition and Subtraction Lessons 5, 6-8, 9, 10, 11, 12, 13-14, 15, 16-21, 22	Patterning Lessons 7-9, 15	Time Lesson 4
B1.5 Whole Numbers use place value when describing and representing multi-digit numbers in a variety of ways, including with base ten materials	Quantities and Counting to 500 Lessons 2, 3, 5, 6, 7, 8, 9-10, 11-12, 13, 14, 15, 22; Quantities and Counting to 1000 Lessons 1-2, 3, 4, 5, 6, 7, 8, 9-10, 12		
B1.6 Fractions use drawings to represent, solve, and compare the results of fair-share problems that involve sharing up to 20 items among 2, 3, 4, 5, 6, 8, and 10 sharers, including problems that result in whole numbers, mixed numbers, and fractional amounts	Fractions Lessons 1, 2, 4, 5, 6-7, 8, 9, 10, 12, 13, 14		
B1.7 Fractions represent and solve fair-share problems that focus on determining and using equivalent fractions, including problems that involve halves, fourths, and eighths; thirds and sixths; and fifths and tenths	Fractions Lessons 1, 2, 4, 5, 6-7, 8, 9, 10, 12, 13, 14		
B2. Operations use knowledge of numbers and operations to solve mathematical problems encountered in everyday life	Multiplication and Division Lessons 2-4; and throughout the lessons indicated below	Throughout the lessons indicated below.	
B2.1 Properties and Relationships use the properties of operations, and the relationships between multiplication and division, to solve problems and check calculations	Counting and Quantities to 500 Lesson 1; Multiplication and Division Lessons 1, 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 21; Addition and Subtraction Lessons 1, 4; Financial Literacy Lesson 7	Patterning Lesson 12; Algebra (Equality and Inequality) Lessons 8-10, 11	
B2.2 Math Facts recall and demonstrate multiplication facts of 2, 5, and 10, and related division facts	Multiplication and Division Lessons 1, 2-4, 5-7, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21		
B2.3 Mental Math use mental math strategies, including estimation, to add and subtract whole numbers that add up to no more than 1000, and explain the strategies used	Addition and Subtraction Lessons 1, 2-3, 4, 5, 6-8, 9, 10, 11, 12, 13-14, 15, 16-21, 22	Algebra (Equality and Inequality) Lessons 8-10	
B2.4 Addition and Subtraction demonstrate an understanding of algorithms for adding and subtracting whole numbers by making connections to and describing the way other tools and strategies are used to add and subtract	Addition and Subtraction Lessons 16-21		
B2.5 Addition and Subtraction represent and solve problems involving the addition and subtraction of whole numbers that add up to no more than 1000, using various tools and algorithms	Addition and Subtraction Lessons 2-3, 5, 6-8, 9, 10, 11, 12, 13-14, 15, 16-21, 22; Financial Literacy Lessons 4, 5-6, 8-9	Patterning Lesson 15	
B2.6 Multiplication and Division represent multiplication of numbers up to 10×10 and division up to $100 \div 10$, using a variety of tools and drawings, including arrays	Multiplication and Division Lessons 1, 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21		

B2.7 Multiplication and Division represent and solve problems involving multiplication and division, including problems that involve groups of one half, one fourth, and one third, using tools and drawings	Multiplication and Division Lessons 1, 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21		
B2.8 Multiplication and Division represent the connection between the numerator of a fraction and the repeated addition of the unit fraction with the same denominator using various tools and drawings, and standard fractional notation	Fractions Lessons 2, 4		
B2.9 Multiplication and Division use the ratios of 1 to 2, 1 to 5, and 1 to 10 to scale up numbers and to solve problems	Multiplication and Division Lessons 2-4, 5-7, 8, 9-10, 11, 12-14, 15, 16-17, 18, 19, 20, 21; Financial Literacy Lessons 8-9		Linear Measurement Lessons 5-7
C. Algebra			
C1. Patterns and Relationships identify, describe, extend, create, and make predictions about a variety of patterns, including those found in real-life contexts	Throughout the lessons indicated below.	Throughout the lessons indicated below.	
C1.1 Patterns identify and describe repeating elements and operations in a variety of patterns, including patterns found in real-life contexts		Patterning Lessons 1-2, 3-6, 7-9, 10-11, 13-14, 15	
C1.2 Patterns create and translate patterns that have repeating elements, movements, or operations using various representations, including shapes, numbers, and tables of values		Patterning Lessons 1-2, 3-6, 7-9, 10-11, 13-14, 15	
C1.3 Patterns determine pattern rules and use them to extend patterns, make and justify predictions, and identify missing elements in patterns that have repeating elements, movements, or operations		Patterning Lessons 1-2, 3-6, 7-9, 10-11, 13-14, 15	
C1.4 Patterns create and describe patterns to illustrate relationships among whole numbers up to 1000	Quantities and Counting to 500 Lessons 6, 7, 8; Addition and Subtraction Lessons 1, 5	Patterning Lessons 7-9, 10-11, 12, 13-14, 15	
C2. Equations and Inequalities demonstrate an understanding of variables, expressions, equalities, and inequalities, and apply this understanding in various contexts		Throughout the lessons indicated below.	
C2.1 Variables describe how variables are used, and use them in various contexts as appropriate		Algebra (Equality and Inequality) Lessons 2, 3-4, 5-6, 7, 8-10	
C2.2 Equalities and Inequalities determine whether given sets of addition, subtraction, multiplication, and division expressions are equivalent or not		Algebra (Equality and Inequality) Lessons 2, 3-4, 5-6, 7, 8-10	
C2.3 Equalities and Inequalities identify and use equivalent relationships for whole numbers up to 1000, in various contexts		Algebra (Equality and Inequality) Lessons 2, 3-4, 5-6, 7, 8-10, 11	
C3. Coding solve problems and create computational representations of mathematical situations using coding concepts and skills		Patterning Lesson 12; and throughout the lessons indicated below	Throughout the lessons indicated below.

C3.1 Coding Skills solve problems and create computational representations of mathematical situations by writing and executing code, including code that involves sequential, concurrent, and repeating events		Patterning Lesson 12; Algebra (Equality and Inequality) Lesson 11	Location, Movement, and Coding Concepts; Location, Movement, and Coding Concepts Lessons 6-10
C3.2 Coding Skills read and alter existing code, including code that involves sequential, concurrent, and repeating events, and describe how changes to the code affect the outcomes		Patterning Lesson 12; Algebra (Equality and Inequality) Lesson 11	Location, Movement, and Coding Concepts; Location, Movement, and Coding Concepts Lessons 6-10
C4. Mathematical Modelling apply the process of mathematical modelling to represent, analyse, make predictions, and provide insight into real-life situations	Quantities and Counting to 500 Lesson 13; Multiplication and Division Lessons 2-4, 9-10, 12-14, 19; Quantities and Counting to 1000 Lesson 12	Patterning Lesson 12; Algebra (Equality and Inequality) Lesson 11	Linear Measurement Lesson 8; Perimeter and Area Lessons 13-14
D. Data			
D1. Data Literacy manage, analyse, and use data to make convincing arguments and informed decisions, in various contexts drawn from real life		Throughout the lessons indicated below.	
D1.1 Data Collection and Organization sort sets of data about people or things according to two and three attributes, using tables and logic diagrams, including Venn, Carroll, and tree diagrams, as appropriate		Data Literacy Lessons 2, 4-6	
D1.2 Data Collection and Organization collect data through observations, experiments, and interviews to answer questions of interest that focus on qualitative and quantitative data, and organize the data using frequency tables		Data Literacy Lessons 11-13, 14, 15-18	
D1.3 Data Visualization display sets of data, using many-to-one correspondence, in pictographs and bar graphs with proper sources, titles, and labels, and appropriate scales		Data Literacy Lessons 11-13, 14, 15-18	
D1.4 Data Analysis determine the mean and identify the mode(s), if any, for various data sets involving whole numbers, and explain what each of these measures indicates about the data		Data Literacy Lessons 2, 7, 14, 15-18	
D1.5 Data Analysis analyse different sets of data presented in various ways, including in frequency tables and in graphs with different scales, by asking and answering questions about the data and drawing conclusions, then make convincing arguments and informed decisions		Data Literacy Lessons 2, 3, 7-10, 11-13, 14, 15-18	
D2. Probability describe the likelihood that events will happen, and use that information to make predictions		Throughout the lessons indicated below.	
D2.1 Probability use mathematical language, including the terms “impossible”, “unlikely”, “equally likely”, “likely”, and “certain”, to describe the likelihood of events happening, and use that likelihood to make predictions and informed decisions		Probability Lessons 2, 3-4, 5-8, 9	

D2.2 Probability make and test predictions about the likelihood that the mean and the mode(s) of a data set will be the same for data collected from different populations		Data Literacy Lesson 7; Probability Lessons 2, 3-4, 5-8, 9	
E. Spatial Sense			
E1. Geometric and Spatial Reasoning describe and represent shape, location, and movement by applying geometric properties and spatial relationships in order to navigate the world around them	Throughout the lessons indicated below.		Throughout the lessons indicated below.
E1.1 Geometric Reasoning sort, construct, and identify cubes, prisms, pyramids, cylinders, and cones by comparing their faces, edges, vertices, and angles			Three-Dimensional Objects Lessons 1, 2, 4, 5, 6-7, 8, 9, 13, 14-15; Location, Movement, and Coding Concepts Lesson 11
E1.2 Geometric Reasoning compose and decompose various structures, and identify the two-dimensional shapes and three-dimensional objects that these structures contain	Financial Literacy Lesson 9; Fractions Lesson 8		Three-Dimensional Objects Lessons 1, 2, 4, 5, 9, 10, 11-12, 13, 14-15; Location, Movement, and Coding Concepts Lesson 11
E1.3 Geometric Reasoning identify congruent lengths, angles, and faces of three-dimensional objects by mentally and physically matching them, and determine if the objects are congruent			Three-Dimensional Objects Lessons 1, 2, 4, 5, 9, 10, 11-12, 13, 14-15; Location, Movement, and Coding Concepts Lesson 11
E1.4 Location and Movement give and follow multistep instructions involving movement from one location to another, including distances and half- and quarter-turns			Location, Movement, and Coding Concepts; Location, Movement, and Coding Concepts Lessons 2, 3, 4-5, 6-10, 11
E2. Measurement compare, estimate, and determine measurements in various contexts	Addition and Subtraction Lesson 22		Throughout the lessons indicated below.
E2.1 Length, Mass, and Capacity use appropriate units of length to estimate, measure, and compare the perimeters of polygons and curved shapes, and construct polygons with a given perimeter			Location, Movement, and Coding Concepts Lesson 2; Perimeter and Area Lessons 2, 3-4, 5-6, 7, 8, 9, 15-16; Time Lesson 5
E2.2 Length, Mass, and Capacity explain the relationships between millimetres, centimetres, metres, and kilometres as metric units of length, and use benchmarks for these units to estimate lengths			Linear Measurement Lessons 1, 2, 3, 4, 5-7, 8; Perimeter and Area Lesson 9; Time Lesson 5
E2.3 Length, Mass, and Capacity use non-standard units appropriately to estimate, measure, and compare capacity, and explain the effect that overfilling or underfilling, and gaps between units, have on accuracy			Capacity Lessons 1-3, 4, 5, 6, 7; Time Lesson 5
E2.4 Length, Mass, and Capacity compare, estimate, and measure the mass of various objects, using a pan balance and non-standard units			Mass Lessons 1, 2, 3, 4-5
E2.5 Length, Mass, and Capacity use various units of different sizes to measure the same attribute of a given item, and demonstrate that even though using different-sized units produces a different count, the size of the attribute remains the same			Introduction to Measurement Lesson 2; Linear Measurement Lessons 1, 2, 3, 4, 5-7, 8; Perimeter and Area Lessons 5-6, 7, 8, 9, 11, 12, 13-14, 15-16; Mass Lessons 4-5; Capacity Lesson 5, 6, 7; Time Lesson 5

E2.6 Time use analog and digital clocks and timers to tell time in hours, minutes, and seconds			Time Lessons 1-3, 4, 5
E2.7 Area compare the areas of two-dimensional shapes by matching, covering, or decomposing and recomposing the shapes, and demonstrate that different shapes can have the same area			Location, Movement, and Coding Concepts Lesson 2; Perimeter and Area Lessons 2, 3-4, 11, 12, 13-14, 15-16
E2.8 Area use appropriate non-standard units to measure area, and explain the effect that gaps and overlaps have on accuracy			Perimeter and Area Lessons 2, 3-4, 11, 12, 13-14, 15-16; Time Lesson 5
E2.9 Area use square centimetres (cm ²) and square metres (m ²) to estimate, measure, and compare the areas of various two-dimensional shapes, including those with curved sides			Perimeter and Area Lessons 13-14, 15-16
F. Financial Literacy			
F1. Money and Finances demonstrate an understanding of the value and use of Canadian currency	Financial Literacy Lessons 1, 2, 3; and throughout the lessons indicated below		
F1.1 Money Concepts estimate and calculate the change required for various simple cash transactions involving whole-dollar amounts and amounts of less than one dollar	Financial Literacy Lessons 4, 5-6, 7, 8-9, 10		

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