

CONDENSED GRADE 6 (Overall 12, Specific 51)

2005: Overall 13, Specific 61

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SOCIAL-EMOTIONAL LEARNING (A) - Overall 1				
NUMBER (B) Overall 2, Specific 18	ALGEBRA (C) Overall 4, Specific 10	DATA (D) Overall 2, Specific 8	SPATIAL SENSE (E) Overall 2, Specific 10	FINANCIAL LIT (F) Overall 1, Specific 5
<p>Rational Numbers B1.1 read and represent whole numbers to 1 million B1.2 read and represent integers B1.3 compare and order integers, decimals and fractions</p> <p>Fractions, Decimals, and Percents B1.4 decimal numbers to thousandths B1.5 round decimal numbers to nearest tenth, hundredth or whole B1.6 equivalent fractions and decimals up to thousandths</p> <p>Properties and Relationships B2.1 properties of and relationship between operations involving whole numbers, decimal numbers, fractions, ratios, rates, and whole number percents, to solve multi-step and multi-operation problems</p> <p>Math Facts B2.2 Divisibility rules for 2, 3, 4, 5, 6, 8, 9 and 10</p> <p>Mental Math B2.3 strategies to calculate 1%, 5%, 10%, 15%, 25% and 50%</p> <p>Addition and Subtraction B2.4 addition and subtraction of whole numbers and decimals B2.5 addition and subtraction of fractions with like and unlike denominators</p> <p>Multiplication and Division B2.6 composite numbers as a product of their factors (factor trees) B2.7, B2.8 multiply and divide 3-digit numbers by tenths B2.9, B2.10 multiply and divide whole numbers by proper fractions B2.11 division of whole numbers up to 10 by decimals up to thousandths B2.12 ratios, rates, and percents</p>	<p>Patterns C1.1 repeating, growing, and shrinking patterns, and specifying linear growing patterns C1.2 repeating, growing and shrinking patterns using various representations, including tables of values, graphs, and, for linear growing patterns, algebraic expressions and equations C1.3 pattern rules, extending patterns, making and justifying predictions, and missing elements in repeating growing and shrinking patterns and using algebraic representations to solve for unknown values C1.4 relationships among whole and decimal numbers</p> <p>Variables and Expressions C2.1 add monomials with a degree of 1 that involve whole numbers C2.2 algebraic expressions involving whole numbers and decimal tenths</p> <p>Equalities and Inequalities C2.3 solve equations involving multi-terms and whole numbers C2.4 solve inequalities that involve two operations and whole numbers up to 100</p> <p>Coding Skills C3.1, C3.2 efficient code that involves conditional statements and other control structures</p> <p>[4. Modelling - This overall expectation has no specific expectations]</p>	<p>Data Collection and Organization D1.1 discrete and continuous data D1.2 collect qualitative data and discrete and continuous quantitative data to answer questions of interest about a population, and organize the data, including using intervals</p> <p>Data Visualization D1.3 select from among a variety of graphs, including histograms and broken line graphs D1.4 create an infographic about a data set, including in tables, histograms, and broken-line graphs</p> <p>Data Analysis D1.5 determine the range of measure of spread and central tendency for various data sets D1.6 analyse data presented in various ways, including in histograms and broken-line graphs and in mis-leading graphs</p> <p>Probability D2.1 use fractions, decimals and percents to express the probability of events happening D2.2 Determine the theoretical and experimental probability of two independent events happening</p>	<p>Geometric Reasoning E1.1 properties of quadrilaterals (diagonals, rotational symmetry, lines of symmetry) E1.2 construct 3-D objects when given top, front, and side views</p> <p>Location and Movement E1.3 plot and read coordinates in four quadrants of the Cartesian plane E1.4 describe and predict location of translations, reflections and rotations up to 360 degrees on a grid</p> <p>The Metric System E2.1 measure and solve problems (length, area, capacity, mass) involving the metric conversion</p> <p>Angles E2.2 use protractor to measure and construct angles up to 360 degrees E2.3 use properties of supplementary, complementary and opposite angles to solve for unknown angles</p> <p>Area and Surface Area E2.4 Determine the areas of trapezoids, rhombuses and kites and composites polygons by decomposing E2.5 Create and use nets to demonstrate the relationship between prisms and pyramids and their surface areas E2.6 Determine the surface areas of prisms and pyramids</p>	<p>Money Concepts F1.1 compare methods of payment for various purchases</p> <p>Financial Management F1.2 identify financial and savings goals F1.3 Identify factors that may impact financial goals</p> <p>Consumer and Civic Awareness F1.4 interest rates (comparison) F1.5 trading, lending, borrowing and donating</p>

OVERALL CURRICULUM EXPECTATIONS

SEL (A)	NUMBER (B)	ALGEBRA (C)	DATA (D)	SPATIAL SENSE (E)	FINANCIAL LIT (F)
<p>A1. 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</p>	<p>B1. demonstrate an understanding of numbers and make connections to the way numbers are used in everyday life</p> <p>B2. use knowledge of numbers and operations to solve mathematical problems encountered in everyday life</p>	<p>C1. identify, describe, extend, create, and make predictions about a variety of patterns, including those found in real-life contexts</p> <p>C2. demonstrate an understanding of variables, expressions, equalities, and inequalities, and apply this understanding in various contexts</p> <p>C3. solve problems and create computational representations of mathematical situations using coding concepts and skills</p> <p>C4. apply the process of mathematical modelling* to represent, analyse, make predictions, and provide insight into real-life situations</p>	<p>D1. manage, analyse, and use data to make convincing arguments and informed decisions, in various contexts drawn from real life</p> <p>D2. describe the likelihood that events will happen, and use that information to make predictions</p>	<p>E1. describe and represent shape, location, and movement by applying geometric properties and spatial relationships in order to navigate the world around them</p> <p>E2. compare, estimate, and determine measurements in various contexts</p>	<p>F1. Grades 1 and 2: demonstrate an understanding of the value of Canadian currency</p> <p>F1 Grade 3: demonstrate an understanding of the value and use of Canadian currency</p> <p>F1. Grades 4 to 8: demonstrate the knowledge and skills needed to make informed financial decisions</p>