Numeracy

Adding and Subtracting	Multiplying	Dividing	Understanding Numbers	Fractions, Decimals, Percent, Ratios	Exponents
☐ N.1.9 I can demonstrate an understanding of addition of numbers with answers to 20 and corresponding subtraction facts ☐ N.1.10 I can use and explain mental math strategies to add and subtract to 18 (counting on, making 10, doubles, related facts) ☐ N.2.2 I can show that I understand how to add and subtract 1 and 2 digit numbers up to 100 ☐ N.3.2 I can add and subtract to 1000	☐ N.3.3 I can multiply numbers up to 5 by 5 ☐ N.4.3 I can multiply up to 10 by 10 ☐ N.4.4 I can multiply 2 and 3 digit numbers by a 1 digit number ☐ N.5.2 I can multiply Whole Numbers ☐ N.6.2 I can write the factors and multiples of Whole Numbers (4)	☐ N.3.3 I can divide numbers up to 5 by 5 ☐ N.4.5 I can divide 2 digit numbers by a 1 digit number ☐ N.5.3 I can divide 3 digit numbers by a 1 digit number with remainders	☐ N.1.1 I can say the number sequence, 0 to 100 ☐ N.1.2 I can reorganize familiar arrangements of 1 to 10 ☐ N.1.3 I can count objects in different ways and see that it is the same amount ☐ N.1.4 I can show whole numbers to 20 with objects, pictures and symbols ☐ N.1.5 I can compare sets containing up to 20 concretely, pictorially, and symbolically ☐ N.1.6 I can estimate the number of objects up to 20	☐ N.3.4 I can show equal parts of a whole ☐ N.4.6 I can show fractions that are less than or equal to one ☐ N.4.7 I can relate fractions to decimals in tenths and hundredth ☐ N.5.5 I can show an compare equal fractions in different ways ☐ N.5.6 I can order decimals and I can relate fractions to decimals.	☐ N.8.1 I understand Square Roots ☐ N.9.1 I understand Powers ☐ N.9.3 I understand Square roots of positive Rational Numbers.

☐ N.4.2 I can add and subtract to 10,000 ☐ N4.8 I can add and subtract decimals to the tenths and hundredths ☐ N.5.4 I can use estimation when adding and subtracting ☐ N.5.7 I can add and subtract decimals		by comparing to a given set ☐ N.1.7 I can show whole numbers as a variety of groupings with objects and pictures with and without singles ☐ N.1.8 I can name the number up to 20 that is 1 or 2 more or less than a given number	☐ N.6.5 I can relate fractions and decimals to percent ☐ N.6.7 I understand Mixed Fractions and Improper Fractions ☐ N.6.8 I understand Ratios	
☐ N.6.3 I can properly use the Order of Operations (without exponents) on expressions with Whole (6)Numbers		☐ N.2.1 I can show that I understand numbers to 100	☐ N.7.3 I can relate fractions to decimals and Whole Numbers to each other	
	☐ N.6.4 I can multiply by a Whole Number and divide decimals by a Natural Number (4)	☐ N.3.1 I understand the numbers up to 1000 and can show in different ways	☐ N.7.4 I can show fractions for percent between 1-100	
☐ N.7.2 I can add, subtract, multiply and divide decimals.(6)	☐ N.7.1 I know and can use the divisibility rules for 2, 3, 4, 5, 8, 9 and 10	☐ N.4.1 I understand the numbers up to 10,000 and can show in different ways	☐ N.8.2 I understand percent greater than 100.	
☐ N.7.5 I can add and subtract Fractions and Mixed Numbers	☐ N.8.4 I can multiply and divide positive Fractions and Mixed Numbers (4)	☐ N.5.1 I understand the numbers up to one million and can show in different ways	☐ N.8.3 I understand Ratios and Rates	
☐ N.7.6 I can add and subtract Integers	☐ N.8.5 I can multiply and divide Integers			

☐ N.9.2 I can order and use operations with positive and negative Rational Numbers, and I can show it in a variety of ways	☐ N.5.4 I can estimate numbers in a variety of ways ☐ N.6.1 I understand place value over 1 million and less than one thousandth ☐ N.6.6 I can order and compare integers in different ways ☐ N6.9 Research and present how First Nations and Métis peoples, past and present, envision, represent, and use quantity in their lifestyles and worldviews		

Patterns and Relations

Understanding and Working with patterns	Algebra
☐ P.1.1 I can create (make), identify (find) and describe (explain) a repeating pattern of two to four elements ☐ P.1.2 I can show the same pattern using different objects or letters ☐ P.1.3 I can use a balance scale or draw a picture to show that 2 objects are equal or unequal ☐ P.1.4 I can write, draw, and give examples of things or numbers that are equal ☐ P.2.1 I can show that I understand repeating patterns ☐ P.2.2 I can show that I understand increasing patterns ☐ P.2.3. I can show that I understand equal and not equal ☐ P.3.1 I can demonstrate understanding of increasing and decreasing patterns (observing and describing, extending, comparing, creating patterns using manipulatives, pictures, sounds, and actions) ☐ P.4.1 I can understand patterns and relations (identifying, reproducing, creating and solving in chart, table or diagram) ☐ P.5.1 I can describe, extend and use patterns ☐ P.6.1 I can show understanding of patterns in tables and graphs	☐ P.3.2 I can solve one step addition and subtraction problems ☐ P.4.2 I can understand equations using symbols ☐ P.5.2 I can use a variable to solve and check one step equations ☐ P.6.2 I can show and understand equality in numbers ☐ P.7.2 I can understand algebraic equations and expressions ☐ P.7.3 I can solve algebraic equations using whole numbers ☐ P.7.4 I can solve algebraic equations using integers ☐ P.8.1 I can understand equations using graphs and tables of values ☐ P.8.2 I can model and solve linear equations using integers
☐ P.6.3 I can relate patterns and relationship s to form expressions and equations	
☐ P.7.1 I can understand and graph input and output machines	
☐ P.9.1 I can use graphs and charts to express solutions to problems and predict values outside of the graph. (interpolating and extrapolating)	

	☐ P.9.2 I can model and solve equations in a variety of ways
	☐ P.9.3 I can solve single variable linear inequalities, including rational coefficients
	☐ P.9.4 I can understand polynomials with degree less than or equal to 2

Statistics and Probability

Data	Graphing	Probability
☐ SP.3.1 I can understand data from first hand tools ☐ SP.4.1 I can understand many to one correspondence ☐ SP.5.1 I can differentiate between first hand and second hand	☐ SP.2.1 I can show that I understand graphs ☐ SP.5.2 I can make and interpret double bar graphs	☐ SP5.3 I can describe, compare, predict and test the chance or probability of something happening ☐ SP6.2 I understand probability (sample space, theory, experimental) ☐ SP9.3 I can show where and why probability should and shouldn't be used
☐ SP.6.1 I can understand data from graphs and creating graphs from data		
☐ SP.7.1 I can understand and find the Mean, Median, Mode and Range	☐ SP.7.2 I can understand circle graphs	☐ SP.7.3 I can understand probability for two independent events (Sample space less than 36)
☐ SP.9.1 I can understand the effect of various ways of improperly collecting data	☐ SP.8.1 I can interpret graphs (Advantages/disadvantages and misleading information)	☐ SP.8.2 I can understand Probability of Independent events
☐ SP.9.2 I can display and interpret data gathered from a project		☐ SP.9.4 Research and present how First Nations and Métis peoples, past and present, envision, represent, and make use of probability and statistics.

Shapes and Space

Time and Date	Shapes
☐ SS.3.1 I can understand the basic units of time (Hours and Minutes)	☐ SS.1.2 I can sort 3-D objects and 2-D shapes using one attribute, and explain the sorting rule. ☐ SS.1.3 I can build 2-D shapes and 3-D objects ☐ SS.1.4 I can compare 2-D shapes to parts of 3-D objects in the environment
☐ SS.4.1 I can understand the difference between AM and PM and can read analog and digital clocks.	☐ SS.2.3 I can show that I understand 3-D objects ☐ SS.2.4 I can show that I understand 2-D shapes ☐ SS.2.5 I can show that I understand the relationship between 2-D shapes and 3-D objects
Measurement	☐ SS.3.4 I can show understanding of 3D objects using **edges**, **faces** and **vertices**
☐ SS.1.1 I can demonstrate an understanding of measurement (length, height, mass, volume, capacity, area)	☐ SS.3.5 I understand 2D shapes both **regular** and **irregular** (**Triangles, quadrilaterals, pentagons, hexagons** and **octagons**)
☐ SS.2.1 I can demonstrate an understanding of non-standard units for linear measurement ☐ SS.2.2 I can demonstrate an understanding of non-standard units for measurement for mass	☐ SS.4.2 I can show and understand the area of regular and irregular 2D shapes ☐ SS.4.3 I can demonstrate an understanding of rectangular and triangular prisms ☐ SS.4.4 I can understand the line of **symmetry**
☐ SS.3.2 I understand the relationship between **grams** and **kilograms** ☐ SS.3.3 I understand measurement in **centimeters** and **meters**	☐ SS.5.1 I can create different rectangles either **perimeter**, **area** or both and make conclusions.
☐ SS.5.2 I can measure length in **millimeters**. Comparing millimeters, centimeters and meters.	☐ SS.5.5 I can relate **2D** and **3D shapes** and their characteristics (**parallel, intersecting, perpendicular, vertical** and **horizontal**)

☐ SS.5.3 I can understand volume using **cm³** and **m³**.	☐ SS.5.6 I can sort **quadrilaterals** (**rectangles, squares, trapezoids, parallelograms, rhombuses**)
☐ SS.5.4 I can measure capacity in **milliliters** and **liters**	☐ SS.5.7 I can perform single **Transformations** of 2D shapes
Cartesian plane	☐ SS.6.1 I can measure and identify/classify/draw **angles** in triangles and quadrilaterals
☐ SS.6.4 I can understand 1st quadrant of the **Cartesian Plane** with Whole Number ordered pairs.	☐ SS.6.2 I can find perimeter of polygons, area for rectangles and **volume** for right rectangular prisms
☐ SS.7.4 I can understand the Cartesian Plane and ordered pairs with Integral Coordinates	☐ SS.6.3 I can understand and compare regular and irregular polygons and classify triangles. ☐ SS.6.5 I can identify, describe and perform single and combinations of transformations of 2D shapes

☐ SS.7.1 I understand **circles** and **circumference** and **central angles**.
☐ SS.7.2 I can use formulas to determine areas of triangles, parallelograms and circles
☐ SS.7.3 I understand the relationship between **lines** and angles
☐ SS.7.5 I understand transformations of 2D shapes in 4 quadrants of the Cartesian Plane
☐ SS.8.1 I understand **Pythagoras Theorem**
☐ SS.8.2 I can relate **Geometric Nets** and **Surface Area** of 3D objects

☐ SS.8.3 I can use formulas for volume for right prisms and right **cylinders**
☐ SS.8.4 I can **tessellate** objects and explain how.
☐ SS.9.1 I have understanding of Circle Properties of **chords, diameters, inscribed angles, perpendicular bisectors, tangents**
☐ SS.9.2 I have understanding of Area and Surface Area of right triangular prisms, right rectangular prisms and right cylinders, to composite 3D objects.
☐ SS.9.3 I have understanding of **line and rotational symmetry**
☐ SS.9.4 I can research and present ways First Nations and Métis people used statistics and probability