**Numeracy**

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| **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.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 | * 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.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 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.2.1 I can show that I understand numbers to 100 * N.3.1 I understand the numbers up to 1000 and can show in different ways * N.4.1 I understand the numbers up to 10,000 and can show in different ways * N.5.1 I understand the numbers up to one million and can show in different 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 | * 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.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.7.3 I can relate fractions to decimals and Whole Numbers to each other * N.7.4 I can show fractions for percent between 1-100 * N.8.2 I understand percent greater than 100. * N.8.3 I understand Ratios and Rates | * 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.6.2 I can write the factors and multiples of Whole Numbers (4) | |
| * N.6.3 I can properly use the Order of Operations (without exponents) on expressions with Whole (6)Numbers | | |
|  | * N.6.4 I can multiply by a Whole Number and divide decimals by a Natural Number (4) | |
| * 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.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.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 | | |

**Patterns and Relations**

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| **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**

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| **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**

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| **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 | |