Medicine Hat Catholic Board of Education

Grade 3 Mathematics - At A Glance		
Organizing Idea	**Grade 3 Learning Outcome**	**Highlights of your Child's Learning** ***(by the end of Grade 3)***
Number	Students interpret place value within 100 000.	● Understand and identify the place value of each digit in a number ● Write numbers using words and numerals ● Compare, order and round numbers ● Identify the value of a collection of coins and/or bills in cents and in dollars ● Recognize French and English ways of representing dollars and cents
	Students apply strategies for addition and subtraction within 1000.	● Add and subtract 2-digit number and 3-digit numbers and solve problems using addition and subtraction ● Understand that different addition and subtraction strategies are used depending on the numbers involved ● Use standard algorithms to add and subtract ● Estimate sums and differences
	Students analyze and apply strategies for multiplication and division within 100.	● Recall multiplication number facts (up to 10x10) and related division facts. Solve problems using multiplication and division

	Students interpret fractions in relation to one whole.	● Model fractions in a variety of ways (limited to denominators of 12 or less) ● Name fractions and identify numerators and denominators ● Compare fractions with different numerators and the same denominator, as well as fractions with the same numerator and different denominators ● Compare fractions to benchmarks of 0, ½ and 1 and identify where fractions less than 1 fit on a number line

Algebra	Students illustrate equality with equations.	● Understand and represent equality in an equation ● Work with equations that have an unknown number and solve for the unknown number
Geometry	Students relate geometric properties to shape.	● Investigate regular and irregular polygons ● Sort polygons based on the positions of the sides and the size of the angles of the vertices (corners) ● Examine how a polygon's properties do not change even when the polygon goes through a translation (slide), rotation (turn), or reflection (flip)
Measurement	Students determine length using standard units.	● Understand the relationship between millimetres, centimetres, and metres ● Understand the relationship between inches, feet and yards ● Estimate and measure lengths in metric and imperial units ● Determine the perimeter of a polygon
	Students interpret angles.	● Recognize angles in daily life ● Compare angles through different methods

Patterns	Students analyze patterns in numerical sequences.	● Recognize familiar number sequence of numbers (a list of terms arranged in a certain order) including the sequence of even or odd numbers ● Know the difference between sequences that end (finite) and sequences that never end (infinite) ● Recognize skip-counting sequences and determine missing numbers
Time	Students analyze patterns in numerical sequences.	● Investigate the relationship between seconds, minutes, and hours using an analog clock ● Read time to the minute. Understand a.m. and p.m. ● Tell time using a 24-hour clock

Statistics	Students interpret and explain representations of data.	● Create questions in order to collect data ● Collect and interpret data using a variety of identified graphs ● Examine First Nations, Métis, or Inuit representations of data