Calgary Board of Education

Grade 3 Mathematics | CBE Scope and Sequence September 2020 – June 2021

This scope and sequence has been created to ensure alignment between Hub Learning and in-class programming, and smooth transitions following potential staff/student absence. It is intended to support teachers and teams in engaging in collaborative planning for instruction.

Each reporting period has been divided into two segments, defining four quarters across the school year. Each quarter lists the outcomes to be addressed in that approximate time period; the outcomes have been described and grouped using the K – 9 Assessment and Reporting Guide | Mathematics. Outcomes within a quarter are identified for concentrated teaching and learning, though it is acknowledged that spaced practice throughout the school year allows students multiple opportunities to deepen their learning and demonstrate their understanding. Although there is a suggested order shown within each quarter, teachers will design teaching and learning according to their context. Please note that these scope and sequences do not replace the Program of Studies.

First Reporting Period		Second Reporting Period	
The mathematical processes will be modelled and developed throughout all strands and outcomes as much as possible. **Communication Connections Mental Math and Estimation Problem Solving Reasoning Technology Visualization** *See the Program of Studies for processes tagged to specific outcomes.			
Specific outcomes N1, N4 (counting to 1000 and estimating) will be addressed throughout the year, wherever possible.			
▪ Demonstrate an understanding of increasing and decreasing patterns. (PR1, PR2) ▪ Represent and describe numbers to 1000 concretely, pictorially and symbolically. Compare, order and estimate quantities to 1000. (N1, N2, N3, N4, N5) ▪ Demonstrate an understanding of addition and subtraction, and apply mental math and estimation strategies. (**N6, N7, N8**, N9, **N10**) *the remainder of this synthesized outcome is completed later in the scope and sequence*	▪ Collect, display, and interpret data to solve problems. (SP1, SP2) ▪ Sort polygons or numbers using one or more attributes. (PR3, SS7) ▪ Demonstrate an understanding of multiplication to 5 x 5 and the corresponding division. (N11, N12)	▪ Demonstrate an understanding of fractions. (N13) ▪ Solve one-step addition and subtraction equations involving a symbol to represent an unknown number. (PR4, N6, N7) ▪ Demonstrate an understanding of measuring length, mass and perimeter using standard and non-standard units. (SS3, SS4, SS5)	▪ Demonstrate an understanding of addition and subtraction and apply mental math and estimation strategies. (N6, N7, N8, **N9**, N10) ▪ Describe 3-D objects according to the shape of the faces and the number of edges and vertices. (SS6, SS7) ▪ Relate the passage of time to common activities using nonstandard and standard units. (SS1, SS2, N13)