



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	
<p>The mathematical processes will be modelled and developed throughout all strands and outcomes as much as possible.</p> <p>Communication Connections Mental Math and Estimation Problem Solving Reasoning Technology Visualization</p> <p>*See the Program of Studies for processes tagged to specific outcomes.</p>			
<p>Specific outcomes N2, N3, N4 (estimation and mental math outcomes) will be addressed throughout the year, wherever possible.</p>			
<p>Determine the pattern rule to make predictions about subsequent elements. (PR1)</p> <p>Represent and describe whole numbers to 1 000 000. (N1)</p> <p>Demonstrate an understanding of multiplication and division. (N5, N6)</p> <p>Differentiate between first-hand and second-hand data. (SP1)</p>	<p>Construct and interpret double-bar graphs. (SP1, SP2)</p> <p>Represent and compare decimals, concretely, pictorially and symbolically. (N8, N10)</p> <p>Demonstrate an understanding of equivalent fractions and relate fractions and decimals. (N7, N9, N10)</p> <p>Identify, describe and perform single transformations. (SS8, SS9)</p>	<p>Demonstrate an understanding of addition and subtraction of decimals. (N11)</p> <p>Demonstrate an understanding of perimeter and area by designing and constructing rectangles. (SS1, SS2, SS3, N3, N4, N8, N9)</p> <p>Draw and describe 2-D shapes and 3-D objects with specific attributes. (SS1, SS6, SS7)</p>	<p>Express and solve problems involving equations. (PR2, PR3, N2, N3, N4)</p> <p>Demonstrate an understanding of volume and capacity. (SS4, SS5, N3)</p> <p>Describe and compare the probability of a single outcome and compare probabilities. (SP3, SP4)</p>