



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 N3, N4 (rational number operations) will be addressed throughout the year, wherever possible.			
- Determine the square roots of perfect square and non-perfect square rational numbers. (N5, N6) - Demonstrate an understanding of powers and operations on powers. (N1, N2) - Solve problems using circle properties. (SS1)	- Demonstrate an understanding of rational numbers and apply the order of operations. (N1, N3, N4) - Determine the surface area of composite 3-D objects to solve problems. (SS2) - Model and solve linear equations and inequalities. (PR3, PR4, N3, N4)	- Generalize patterns, graph linear relations and analyze graphs to solve problems. (PR1, PR2) - Demonstrate an understanding of the role of probability in society. (SP4) - Develop and implement a project plan for the collection, display, and analysis of data. (SP1, SP2, SP3)	- Demonstrate an understanding of polynomials and operations involving polynomials. (PR5, PR6, PR7) - Draw and interpret scale diagrams of 2-D shapes and demonstrate an understanding of similarity of polygons. (SS3, SS4) - Identify, describe and represent line and rotation symmetry. (SS5)