

Dear Parents/Guardians,

Below is an outline of a plan to inform you of what the focus will be in mathematics for **Term 1**, with the understanding that this is a working document that can change. Teaching strategies and assessment methods have also been included. As always, please don't hesitate to contact me should you have any questions.

Number Sense & Numeration

Integers and Algebraic Expressions

From Powers to Circles

Students will:

- represent, compare, and order equivalent representations of numbers, including those involving positive exponents
- Represent multiplication and division of integers using a variety of tools (e.g., counters, number lines, algorithm)
- Evaluate expressions that involve integers, including expressions that contain brackets and exponents, using BEDMAS
- solve problems involving integers, using a variety of computational strategies

Measurement

From Powers to Circles

Students will:

- determine the relationships among units and measurable attributes of circles including the area and perimeter of a circle
- Measure the circumference, radius, and diameter of circular objects

Geometry

From Powers to Circles

Lines, Angles, Triangles, and Quadrilaterals

Students will:

- demonstrate an understanding of the geometric properties of quadrilaterals, circles and the applications of these geometric properties in the real world
- Construct a circle given its various attributes

Patterning & Algebra

Representing Patterns in Multiple Ways

Students will:

- represent linear growing patterns (where the terms are whole numbers) using graphs, algebraic expressions, tables, and equations
- model linear relationships graphically and algebraically and determine a term value, given its term number using inspection, guess and check, and the balance model

Teaching Strategies	Assessment Methods
<p>Whole group lessons Small group interventions Conferences Differentiated activities 3 Part Lesson framework (minds on, action, consolidation, independent practice) Collaborative work Consolidation strategies - bansho, congress, gallery walk, stay 'n stray Shared learning goals Co-created success criteria Modeling Descriptive feedback Accountable talk Group discussions Turn & talks Goal setting Manipulatives Math Journal entries Games</p>	<p>Diagnostics - Leaps and Bounds, teacher created Observations Checklists Anecdotal Conferences Exit tickets Quizzes/check ins Rubrics Categories of Achievement - Knowledges & Understanding, Thinking, Communication, Application Assignments Math Journal Unit tests Culminating tasks/projects Self-assessment Reflections</p>