

GRADE 6 SCOPE AND SEQUENCE

There are MANY good ways to structure and organize the curriculum. This is one way that I think ties topics together well, and follows a logical progression of skills. All of the curricular content areas are listed below and the competencies are the vehicles through which we teach the content so they would be connected to each content standard.

1) Review of Adding and Subtracting – using strategies

- Perimeter of complex shapes – a great way to apply addition strategies
- Increasing and decreasing patterns using expressions, tables and graphs that include addition and subtraction
- Line graphs of functions that involve adding and subtracting

2) Multiplication and division facts to 100 – using strategies

- Increasing and decreasing patterns that involve multiplication and division
- One-step equation with adding and subtracting $\rightarrow 4x = 12$ (introduce algebra tiles)
- Line graphs of the one-step equations (in quadrant 1 only) and connect to situations that these equations and graphs represent (context)
- Factors and multiples – LCM, GCF (square tiles are great for this as are Cuisenaire Rods)
- Volume and capacity – both of these concepts utilize multiplication and division and you can continue to give students opportunities to estimate different volumes and capacities throughout the year (bring in different items every week and have students estimate their volume and/or capacity)

3) Order of Operations – using whole numbers only and no exponents and consider GEMA rather than BEDMAS.

- Increasing and decreasing patterns using expressions $(2n + 3)$ – this gives them a chance to apply their understanding of order of operations.

4) Small to Large numbers

- Financial literacy – simple budgets and consumer math (making purchases) – this gives them a chance to review their adding and subtracting of decimals
- Multiplication and division of decimals

5) Improper Fractions and mixed numbers

- Single-outcome probability will allow you to review fractions and provide context before moving into improper and mixed numbers

6) Ratios – tie ratios to fractions – examining how they are different and the same (in certain situations)

7) Whole-number Percents and percentage discounts

- Financial literacy – tipping, budgets, savings



8) Triangles

- Area of triangles, parallelograms and trapezoids – all of these connect to the area of a rectangle so this a great way to keep working on multiplication and division fluency and you could have some decimals with the side lengths so it's another opportunity for them to practice these new skills
- Angles – explore angles in shapes like triangles, as a part of a circle and in nature and architecture

9) Combinations of transformations – this links well with art activities as well as Indigenous designs and artwork

