

GRADE 4 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) Fluency with Adding and Subtracting – using strategies

- Increasing and decreasing patterns that involve repeated addition or subtraction
- Algebraic relationships (similar to above) – look for relationships where we are adding on or subtracting
- One-step equation with adding and subtracting $\rightarrow 4 + _ = 12$
- Telling time with analog and digital clocks using 12 and 24 hour clocks – at this point focus on the 12 and 24 hour clock questions as these require students to practice adding and subtracting numbers

2) Multiplication and division facts to 100 – using strategies

- Increasing and decreasing patterns that involve multiplication and division
- Algebraic relationships (similar to above) – look for relationships where we are multiplying or dividing
- One-step equation with adding and subtracting $\rightarrow 4 \times _ = 12$
- One-to-one correspondence and many-to-one correspondence, using bar graphs and pictographs (the many to one is really just multiplication and is tied to one-step algebraic equations. Daily graphs are fantastic for this.

3) Number Concepts to 10 000

- Financial Literacy with whole numbers – like comparing how much money three people have saved, or spent and comparing costs of items

4) Addition and Subtraction to 10 000

- Financial Literacy with whole numbers – questions involving saving or spending sums of money
- Perimeter of regular and irregular shapes – use this as an opportunity to apply the skills of adding and subtracting. Find perimeters of larger shapes by estimating meters with strides (go outside) and smaller shapes by using a ruler and measuring to the nearest centimeter.
- Regular and irregular shapes – you will be comparing attributes and using proper vocabular so that you can discuss the perimeters of these shapes.
- Line symmetry can be connected to the work you do with polynomials but could also be incorporated into Art and especially can be connected to local Indigenous artwork as there is symmetry evident in patterns, spirit and totem poles, carvings, etc.



5) Ordering and Comparing Fractions

- Probability experiments – we represent probability as fractions so students can apply their knowledge of sizes of fractions to help determine the likelihood of experiments
- Telling time with analog clocks – so many fractions in this. Think about why we say ‘quarter after’ – we can relate our fraction learning to the clock and look at the fractions of each hour that are represented on analogue clocks.

6) Decimals to hundredths

- Addition and subtraction of decimals to hundredths
- Financial literacy involving money with change to 100 dollars. Use the strategies for subtraction (such as adding up) to make change and work with money. Having play money and a class store would be a great way to incorporate this for the rest of the year.

