

Combining Content Grade 6

Combining content areas serves two purposes; it allows students the opportunity to see the important connections between related concepts AND it can save you time. Here are some examples to get you started:

Combine:

- One step equations with each of the operations when you teach/review them. Once students understand that = means 'the same as' they can solve these basic equations. This is a great way to connect the operations as well, for example:
 $3 \times ? = 15$
This can be solved by: guess and check, counting by 3's, or $15 \div 3$ (explore why this works!)
- Multiplication using arrays and area models to area of rectangles – using blocks you can also compare perimeter and area (while practising multiplication and addition strategies). Factors can also be introduced here as when you make all the possible rectangles with any number of tiles (area), the dimensions will be all of the factors of that number. Square tiles or grid paper are great for this.
- Decimal Multiplication and Division with Area of rectangles using area models
- Decimal operations combined with financial literacy – saving up, informed decision making as well as perimeter (for adding and subtracting).
- Percent and percent discount can also be combined with financial literacy
- Patterns use all of the operations so they are a nice way to continue practicing these skills. Talk about the patterns all year long. What patterns are there in the numbers that add to make 10? Add to make 20? 4 times tables? Etc. Math is all about patterns so discuss and make them more apparent for students throughout the year.
- Combine financial literacy with your decimal unit and teach the decimals in context of money throughout (use fake money as manipulatives and compare to base 10 blocks)
- Graphs can be done at the beginning of the day using student-driven data
- Probability can be embedded into the games used for other skills (many of the games we use include dice or spinners, which can be discussed as more or less likely). Probability is also represented as a fraction. Lahal stick games incorporate some First People's culture into probability.

- Angles and triangles can be taught together
- Areas of triangles and parallelograms are directly related to areas of rectangles
- Art projects can incorporate transformations, including those found in cedar basket designs as well as frieze work (ethnomathematics – where in the world do we see these?):

