

Combining Content Grade 5

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 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!)
- Addition and Subtraction with Perimeter (you can find the perimeter of any shape by adding the side lengths or you give them the perimeter and all but 1 or 2 side lengths).
- 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)
- 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)
- Art projects can incorporate transformations, including those found in cedar basket designs:



