

## The Virtual Classroom – Week 8

**Here are 12 activities to try this week. Try 3 per day.**

You can email me your results and even include pictures of your creations. Good luck, have fun and wash your hands – [Jayson.ricker@burnabyschools.ca](mailto:Jayson.ricker@burnabyschools.ca) or [rickerjay24@gmail.com](mailto:rickerjay24@gmail.com) .

<p>Think of any topic that you do not know much about at all! Engage in a conversation about and try to sound as convincing as possible (pretend you know what you are talking about!). Now ask yourself - How does reading about an issue or topic help you participate in a discussion about it?"</p>	<p>An aquarium has a base in the shape of a rectangle. The aquarium is 75 cm high. The base is 50 cm long at the front, 75cm long at the back and 25 cm wide. Find the capacity of the aquarium. If you are able to, do some research. What is the largest fish you could put in this aquarium?</p>	<p>There are two sides to every story. Think of an imaginary incident and take two stances to explain what happened. Share this made up story with a family member. Whose side would you take and why?</p>
<p>A-B-C Order Challenge – Think of as many categories as you can where you can brainstorm words that start with your topic – in A-B-C order. For example, foods – apple, broccoli, cauliflower.... Can you get all the way through from A-Z? Challenge someone else!</p>	<p>How reliable are your results if you only sample 10 students to determine the favourite type of book read by students in your grade? How can you change this to a census of your grade and not a sample?</p>	<p>Make a list of 10 items that you could not live without. Now, you've been transported (and stranded) on a desert island and have them "use" the 10 items to find food, water, shelter, and get back to civilization. Write a short story about this event – with your 10 items featured in the story!</p>
<p>What is the different between a table of contents and an index? What if an information book (like a textbook, or reference book) did not have either of these? How could you organize the information with the text?</p>	<p>Search for a *tessellation that uses translations (slides) and/or reflections (flips). E.g. A chess board uses translations of squares. Hint – look for things around your home that have patterns – sheets, curtains, clothing, etc.) *Tessellation: A tiling pattern in which shapes are fitted together with no gaps or overlaps. A regular tessellation uses congruent shapes.</p>	<p>At Andrew's Deli, cheese is on sale for \$11.50 for one kilogram. How much would it cost to purchase 150g of cheese?</p>
<p>Find a painting or photograph in your house that you like. Create a story for how the events depicted came to be and what might be happening next.</p>	<p>The solution to four different equations is 8. One equation is an addition equation, one is a subtraction equation, one is a multiplication equation and one is a division equation. What could the equations be? Example: <math>18 + \Delta = 26</math>, <math>49 - 41 = \Delta</math> Try creating four more equations using a different solution.</p>	<p>Jamal and Grace are playing a game. Jamal says that the probability of spinning green is <math>\frac{3}{4}</math>. Grace says it is 75%. Who is correct? How would you explain this to Jamal and Grace? Write a note to Jamal and Grace to help them solve their disagreement.</p>