

Cobram Secondary College – Year 7-10 Mathematics - Learning Continuity Plan

- Mathspace – modules of work will be set via the online Mathspace program. Instructions on student logins and how to use the program will become available as required.
- Rich Tasks – completion of activities from the table below

Cobram Secondary College - Year 7 to 10 Rich Maths Tasks		
Number and Algebra	Measurement and Geometry	Statistics and probability
Practice your times tables 1 – 12	Measure a room in your house. Draw a birds eye view scale drawing of your room.	M&M's Graph Using a pack of Skittles or M&Ms graph the contents of the packages by color. Calculate the ratio of each color compared with the total number of pieces of candy in their packages.
Create a board game that includes +, -, x and division questions throughout it	Looking around the room find a group of items that add up to exactly one metre in length. Eg. a pencil, a sheet of paper, and a pair of shoes. Draw a diagram of the items, their individual lengths and the total length.	Track the weather daily in a log including: Temperature, wind speed, wind angle, humidity, rain and sun rating. Make predictions about tomorrows temperature. Ensure you write an explanation on your prediction.
Set up a hopscotch grid with a calculator layout. You can include the square root symbol and negative integer sign. Students first hop on one number, then an operation, another number, the equal sign, and finally the answer. For double-digit answers, students can split their last hop so that their left foot lands on the digit in the 10s place and their right foot lands on the digit in the ones place. The person taking a turn tosses a stone onto a number and must avoid that number in the equation.	Follow a recipe and cook something delicious.	Line up a variety of items eg. Fruits and Veggies - Such as oranges, bananas, cucumbers, kiwis, tomatoes, and bell peppers. Students predict the order of the foods from lightest to heaviest. Use a balance scale to test their predictions, then rearrange the foods according to their actual weights. Record this. Extension – Graph the predicted and actual weights in a line graph.
For a twist on the traditional card game War, assign values of 1 to the ace, 11 to the jack, 12 to the queen, and 13 to the king, and face value for the cards two through 10 Playing in pairs, each student lays two cards face up, then subtracts the lower number from the higher. Whoever has the higher answer wins all four cards. If the totals are the same, the players flip over two more cards and repeat until there is a winner.	Redesign the landscape of your front/back yard. Ensure you include at least 5 different shapes in your design.	Use google to investigate the number of people visiting a local business. Select the 'show more' and look at the 'Popular Times' section. Look at how this changes during the day and between different days. Explain why these changes occur.
Prepare a weekly food menu using an online grocery story. You have \$200 to spend.	Participate in activities in the Victorian Maths Challenge http://vmc.global2.vic.edu.au/	
<i>Plan a holiday for one week within Australia. Cost meals and entertainment for the week.</i>	<i>Plan a holiday for one week within Australia. Create a map of where you are going and the distances between each place. You may like to use google maps to assist you.</i>	<i>Plan a holiday for one week within Australia. Research the statistics of the places you will visit. What is the populations, services and any other interesting statistics.</i>