



Learning at Home Choice Board

Year 7&8



Ellerslie School
EST 1877

Maths Tasks

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Down the Plughole

Refer to your printout. Kiwi's take their water supply for granted, but during dry seasons there is not always enough to go round. Collect accurate information on how long your family members spend under the shower each day and find a way of calculating how much water is being used per week and per year. What is the cost of this water to your family? Can you estimate the cost of heating it?

Measurement - Quantity - How much Food?

Start planning our Team 5 Xmas lunch. Your job is to start work on the shopping list! Work on feeding 155 students and 22 adults. Decide what should be on the menu (think along the lines of a BBQ like last year). E.g. If you're planning on having burgers, how many buns, tomatoes, lettuces, patties etc will you need? List the items you need and how much of each item you need to buy. Extension: Use a supermarket website to calculate an estimated cost!

Measuring - Volume and Capacity

You will learn to measure time in intervals while measuring volume of water being released. Students will develop an understanding of the size of the units of time. This includes being able to estimate and measure using units of time.

Measurement - Sustainability Designing An ECO-Kennel

Students Will

- make a scale drawing of an eco-kennel to suit a given volume
- scale up the drawing by specified percentages.

Students should discover that:

- volume is length by width by height
- increasing dimensions by 50% or less can double the volume of a cuboid.

Measuring - Volume Around the House

You will need a measuring jug which indicates milliliters. Find the following items in your house and record the volume in a table. Before you measure their volume make an estimate on how many milliliters in each item. Use the table worksheet to record results.

- A coffee Cup
- A bowl
- A glass
- A pot
- A frying pan
- A recycled can
- An object that holds less than 100ml
- An object that holds more than 500ml

Problem Solving

In your pack is a problem solving worksheet from the Figure It Out series! Give it a go!

