Hi all! Hope you are well. I'm afraid this will be the last blog I write before the summer holidays, so I've included a few extra ideas to keep you going until the 15th July (when the school bubbles are closing). I hope the blogs have been useful to help you on your home-learning journey.

Maths

This week, we're looking at **volume** (or **capacity**) and then I'm going to set a Summer Challenge that you can start next week (but might take a little longer to master). The Summer Challenge will be about **time**!

First up, you'll need the booklet which is labelled **Measurement - Volume.**

At this age, we can say that **volume** and **capacity** are the same thing.

Note for parents: This is not strictly true as there is a slight difference between the two, but don't worry as KS1 children really don't need to know this!

Yet again, this is an area of maths where practical activities are far more beneficial than paper-based ones, so I've given 2 practical suggestions to go with the 3 activities in your maths pack. The paper-based activities could easily be completed as practical activities too, if you'd prefer!

1. Practical Maths 1 - Comparing

Gather up some jugs, containers, plastic cups and bottles and experiment in a water tray, basin, sink or bath. Try to use vocabulary such as full, empty, half full, more than, less than and the same. Which container holds the most? Which holds the least? Can you put them in order?

Note for parents: Adding a small amount of food colouring can help children to see the amount of liquid more easily.

2. Compare Volume

We often talk about whether things are **empty**, **half full** or **full**.

We can compare volume by saying whether something has **more than**, **less than** or the **same amount**.

Here's a video to show this (it uses rubbish rather than liquid):

BBC Bitesize - What is capacity?

There's also a lesson from White Rose Maths to go with this sheet.

The video lesson can be found here: White Rose Maths

(You'll need to click the + next to **Summer Term Week 10** to see the correct video. It's **Lesson 3**).

Have a go! *(Apologies for the poor quality of photocopying on question 2 - you might have to draw your own question.)*

3. Practical Maths 2 - Measuring

We can measure volume in **millilitres** (**ml**) or **litres** (**l**). 1 litre is the same as 1 thousand millilitres!

Note for parents: Children in year 2 don't need to be able to convert between millilitres and litres, but they may be interested to know that 1000ml = 1 l, 500ml = ½ l etc. This isn't essential at this age, though!

If you have a measuring jug (or anything with a scale) show your child how this can be used to measure volume. Scales can be difficult for children to read at first, so this may take some practice.

Note for parents: Adding a small amount of food colouring REALLY helps when trying to read a scale.

4. Millilitres

Here's a lesson from White Rose Maths about measuring in **millilitres**.

The video lesson can be found here: White Rose Maths

(You'll need to click the + next to **Summer Term Week 10** to see the correct video. It's **Lesson 4**).

Now have a go at the sheet. You could recreate the questions in real life, if you'd like.

5. Litres

When we have greater amounts of liquid, we would usually use **litres** instead of millilitres.

Here's a lesson from White Rose Maths about measuring in **litres**.

The video lesson can be found here: White Rose Maths
(You'll need to click the + next to **Summer Term Week 11** to see the correct video. It's **Lesson 1**).

Now have a go at the sheet called '**Litres**'.

Extra Challenge:

Keep your eyes peeled and see how many labels you can see with litres or millilitres written on them. Some might even say centilitres (cl)! Here are some to get you started:

Extra, Extra Challenge:

Another thing we can measure is **temperature**. If your grown up has a thermometer, you could ask them to show you how to use it. If it's made of glass, you need to be very careful! There's also a sheet in your pack called **Measurement - Temperature** if you'd to have a go at it and a lesson on White Rose Maths (Summer Term - Week 11, Lesson 2).

Summer Challenge - Time

Learning to tell the time can be quite tricky. In Year 2, we learn the number of minutes in an hour, the number of hours in a day and to tell the time to the nearest five minutes. We usually start with o'clock, half past and quarter past/to before moving onto 5 minute intervals, and we use analogue rather than digital clocks. However, it can take children quite a while to grasp so it's best to practise on a regular basis.

My challenge is for you to learn to tell the time! This might take a few weeks, so don't give up! I've included a Time Pack with sheets and White Rose Maths have some lessons to help (currently two lessons: **o'clock and half past** and **quarter to and quarter past**, but more will be added on 13th July).