Marvellous Maths Year R w/c 1st March

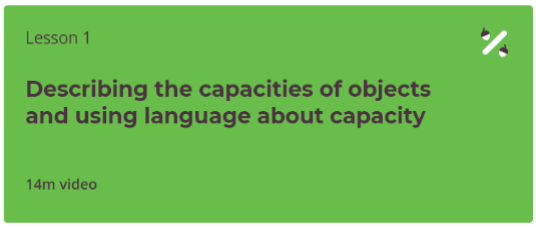
Learning objectives:

To order two or three items by length or height.
Orders two items by weight or capacity.
Children use everyday language to talk about size, weight and capacity to compare quantities and objects and to solve problems.

Monday

This lesson focusses on language used when describing capacity. You will need a jug and some different containers. Click on the link below and watch lesson 1.

https://classroom.thenational.academy/units/measures-1948



Follow on tasks

Please ask your child to complete the activity suggested in the lesson. For this they will need a jug of water and 6 empty cups (around the same size if possible). Using the vocabulary in the lesson, ask your child to show you the different capacities listed.

The most effective way for your child to understand this language is by practical application and by hearing the language in every day life. A bath with a few different containers is a great opportunity to use language related to capacity!

If your child enjoys cutting and sticking, ask them to complete the "Ordering magic potions" sheet on the website.

Tuesday

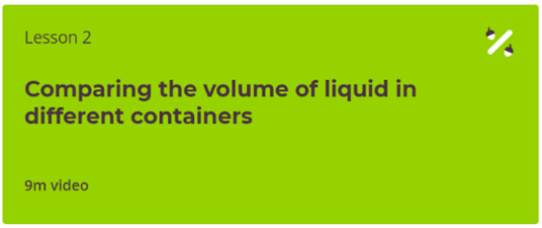
Click on the link below and find lesson 2. You will need some different size cups and containers.

https://classroom.thenational.academy/units/measures-1948

Follow on task

Please complete the activity suggested in the lesson:

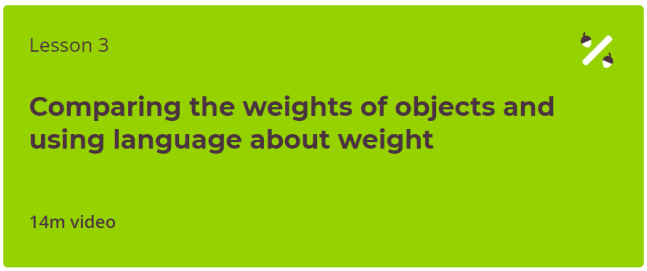
Then ask your child to complete two or more of the challenges from the "Comparing capacity home learning challenges".



Explore pouring the same amount of water in different containers. Explore pouring different amounts of water in similar containers. What do you notice?

Wednesday

Click on the link below and find lesson 3. Measures - Oak National Academy (thenational.academy)



Please complete the 'Talk task' suggested in the lesson, and the 'comparing and ordering three objects challenge outlined in the lesson.

You will need 3 different objects to estimate first and then weigh and, if you have them, some scales. Please note that the teacher in the lesson uses a balance scale—if you use kitchen/bathroom scales as she suggests, particularly digital scales, your child may have trouble reading the numbers or understanding the weight comparisons since they are not as clearly visible as on the balance scales. If this is the case, just ask your child to "be" the balance scales—ask them to stand with their eyes closed and place an object in each hand to find the heaviest/lightest. Remember to ask them to estimate before they touch the objects.

You could play the "Presents" game with a variety of wrapped-up objects (try to include some small, heavy items and some large, light objects too)

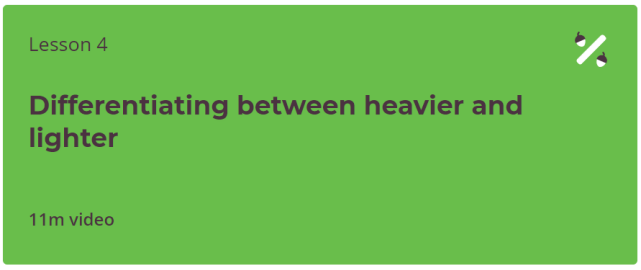
Reasoning
Do you think this one will be heavier/lighter than that one? Why do you think that?
How will you test out your idea? Are you surprised? Why or why not?
Which do you think is the heaviest/lightest? Could we arrange them in some way?
Why have you put that one there?
Could we arrange them in a different way?

Can you find something that you think is the same weight as this present?

Alternatively, choose a couple of activities from the **Wednesday Extension sheet** on the **Wednesday, Thursday, Friday worksheets PDF**

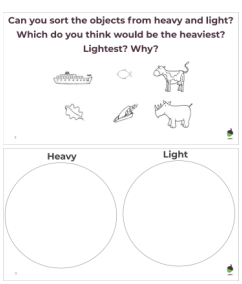
Thursday

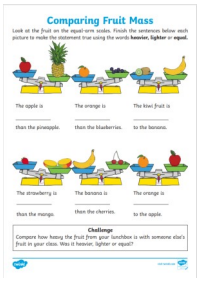
Click on the link below and find lesson 4. Measures - Oak National Academy (thenational.academy)



Please complete the 'Talk task' suggested in the lesson, and the Main Task—the worksheet is saved as '**Thursday Worksheet**' in the **Wednesday, Thursday, Friday worksheets PDF**.

If your child would like some extra practise at estimating and reasoning, or would simply like an extra challenge, then see the **Thursday Extension** comparing fruit mass worksheet.

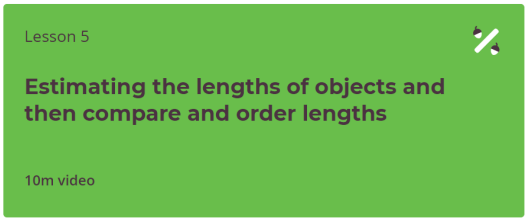




Just have fun estimating lighter and heavier ALL DAY with lots of objects you see throughout the day!

Friday

Click on the link below and find lesson 5, about estimating lengths and then comparing and ordering lengths. For this lesson you will need some paper to cut into strips.



[Measures - Oak National Academy (thenational.academy)]


Weights and Measures Scavenger Hunt

Friday Extension

Collect:

- ☐ The lightest object.
- ☐ The smallest stone.
- ☐ A stick which is about 10cm long.
- ☐ A coin.
- ☐ The longest leaf.
- ☐ Something that will fall the slowest.
- ☐ Something that is longer than a hand span.
- ☐ The widest piece of bark.
- ☐ A flower that is smaller than a thumbnail.
- ☐ Something that will float on water.
- ☐ A blade of grass the same length as my thumb.
- ☐ Two different things which are exactly the same height.

Measure:

- ☐ How many times you can jump in 60 seconds.
- ☐ How many times you can clap in ten seconds.
- ☐ How many star jumps you can do in 1 minute.

Challenge:

- ☐ Who can keep frozen still whilst estimating 1 minute?

Please complete the 'Talk task' suggested in the lesson, using your strips of paper. Your follow-on task is to go for a "Estimating and comparing Walk", and find some leaves, twigs, stones, sticks etc to estimate and compare the lengths. For an extension to this, you might want to also use the Weights and Measures Scavenger Hunt worksheet saved as **Friday Extension** in the worksheets PDF. If you'd like some practise with online games, click on the links below:

[Reordering Objects Game | Game | Education.com]

A game about comparing lengths and ordering them.

[Measuring Castle Game | Game | Education.com]

A fun game that practises the language of comparison.