

Maths Overview Year 3 Class Five Week commencing 29.06.20, 06.07.20 and 13.07.20

Topic-Measures

We are going to learn to:

- to read a scale accurately
- measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- add and subtract numbers with up to three digits using formal written methods of columnar addition and subtraction

This is the last learning pack and will last until the last day of term. This is a 3 week learning pack and this unit of work continues the learning from the last learning pack on Measures. This unit's learning consists of 10 lessons on Oak National Academy. Please go to <https://classroom.thenational.academy/subjects-by-year/year-3/subjects/maths>

Please note the learning for week beginning 13.07.20 isn't available yet as lessons are uploaded to Oak National Academy on a weekly basis. Please continue to use lessons on Oak National Academy by following the above link. You should be able to see the unit of work for this week underneath (or added to) the lessons on 'Measures'. If you are unsure please do send me a message on ClassDojo and I'll be able to clarify.

As suggested in the last learning pack when we teach measures in school we try to make it as practical as we can. You can support your child's learning by looking at different measuring equipment within the house and looking at the different unit of measures used e.g. litres, grams, kilograms. It is also useful to practically measure with your child so they can practise reading scales. A good way to do this is through cooking and baking. You can also look for examples of measures on labels within the home e.g. cans, tins and bottles.

All children:

Go to <https://classroom.thenational.academy/subjects-by-year/year-3/subjects/maths/#>

You need to scroll down the page until you find a series of lessons called 'Measures'. We covered the first 3 lessons in the last home learning pack and there are 10 additional lessons to follow.

Lesson one - ordering mass

Lesson two - add and subtract mass

Lesson three - solve problems involving mass

Lesson four - read a scale

Lesson five - read capacity and volume

Lesson six - compare capacity and volume

Lesson seven - ordering capacity and volume

Lesson eight - add and subtract capacity and volume

Lesson nine - solve problems involving capacity and volume

Lesson ten - estimate mass and capacity

When the lesson starts a list of equipment will appear what you will need for that lesson. In lessons **two** and **eight** you will need some Diennes, I know that this isn't something most people will have at home so there is an online version which you can use <https://mathsbot.com/manipulatives/blocks>

Lesson ten is a practical lesson which involves estimating and then measuring. For this lesson you will need **weighing scales** (which you'd use for cooking or baking) and a **measuring jug** for measuring volume. Please note it doesn't matter if your weighing scales are digital or traditional (with a scale).

Please do message me on Dojo if you would like further ideas on how to support your child's learning about measures.

Please also remember to use <https://www.topmarks.co.uk/maths-games/hit-the-button> and <https://www.timestables.co.uk/> to practice times tables as these are a key element of the Year 3 and Year 4 curriculum.

The maths learning for these three weeks is online including the activities, so there are no worksheets to print off. If you need this planning guidance please contact me and I will print these off in school for you to collect from the upper school office.

Extension activities:

- There are some fun games which explore measures (including telling the time on <https://www.topmarks.co.uk/maths-games/7-11-years/measures>)
- There are also some activities on <https://nrich.maths.org/12637>
- There is a wealth of resources about measures on <https://www.twinkl.co.uk/resources/ks2-maths/measurement-maths-key-stage-2/ks2-length-mass-capacity>
Password - UKTWINKLHELPS
- There is also some activities and videos about mass on <https://www.bbc.co.uk/bitesize/topics/z9sfr82>
- There is a game about reading volume and capacity on <https://www.ictgames.com/mobilePage/capacity/index.html>
- There are some capacity and volume problems to solve on - https://nrich.maths.org/public/topic.php?group_id=15&code=150

Vocabulary: mass, weight, capacity, grams, kilograms, scale, interval, number line, unit of measurement, volume, equipment, measures, equivalence, weighing, to the nearest, mixed units, lighter, heavier, compare, addition, subtractions, part, whole, part whole model, volume, liquid, litres, millilitres, more, less, greater than, less than, column addition, column subtraction, partition, estimate, difference

Please note the difference between volume and capacity **Volume** - the amount of liquid in a container **Capacity** - the total amount a container can hold.