

## Year 4 Home Learning – Spring Term 1



Over the next few weeks, Year 4 will be learning about the different states of matter. Have a go at one of the activities below. Return your work by 12<sup>th</sup> February 2024, so it can be shared with the class. Don't forget that up to 5 MME points will be awarded for presentation and effort! If you have any questions, please speak to your child's class teacher.

### Activities

1. Find about 10 household items. Try to choose items that are trickier to classify. Sort them into 'solids, liquids or gases'. Explain how you know.
2. After a rain shower you will see puddles on the ground. Use a piece of chalk to draw around one of them and take a picture of it. Over time take more pictures and compare them. What happens to the puddle? Use Scientific language to explain.
3. Create a glossary, using key words linked to states of matter.
4. Design a word search or crossword using the key vocabulary linked to states of matter.
5. Create a water cycle experiment. Fill a large bowl with water. Put an empty pot in the middle of the water. Cover the bowl with film and place on a sunny windowsill for a few days. You should soon see the water starting to evaporate, it will cool and condense on the film before falling into the empty pot as 'rain'. Explain this process. Could you include a daily log with photos?
6. Try a changing states investigation. Melt some chocolate. See how the heat provides the particles with enough energy to move apart. Spread the chocolate on a biscuit. Can you explain what happens next?
7. Choose an activity to create from the following website. Explain what you did. Can you take photos? Bring in your final creation?  
<https://littlebinsforlittlehands.com/states-of-matter/>

### Useful websites to help with your research.

BBC Bitesize – <https://www.bbc.co.uk/bitesize/articles/zsgwwxs>

DK - <https://www.factmonster.com/dk/encyclopedia/science/changing-states>

NASA - <https://climatekids.nasa.gov/water-cycle/>

## **Spellings**

In addition to the project homework, children will receive weekly spellings. These will be sent home through parent mail at the beginning of the term. We will practise these within class but encourage children to practise these at home too.

## **Maths**

Your child will also receive a Maths Homework book, into which a weekly maths sheet will be added. Homework will be handed out on a Monday and is due in on a Thursday every week. This will be based on the learning in maths lessons from the week before and should consolidate their understanding. This will alternate between a written piece of homework one week and MyMaths to be completed online the following week. Children can ask for teacher support at lunchtime with this homework if necessary. Answers will be shared in class on a Thursday and every child who meets the deadline will receive a house point (Marvellous Me badge).

As, timetables up to 12x12 will be a key focus in Year 4 with an official assessment at the end of the year – it is strongly advised that these are practised at every opportunity at home as well as in school. TT Rockstars can be used to support this which can be downloaded as an app or played online.

## **Reading**

All children have been issued with a reading book. Regular reading, at least 3 times per week, is advised to aid children's fluency and aid in expanding their vocabulary. Reading to your child can also greatly aid in exposure to more complex texts and vocabulary. Asking questions to check understanding is advisable. Your child will also have the opportunity to take out a library book every 2 weeks and must remember to bring their book back on their library day.

We appreciate that everything cannot be done every night and very much appreciate your support. If you have any questions, please don't hesitate to contact the class teacher.

Yours sincerely,

The Year 4 Team