



Teacher: Miss Waghorn

Date: 09.01.25

Hello,

Welcome back and a Happy New Year! I hope you all had a wonderful Christmas and enjoyed the rest over the two-week break. I am excited for a great Spring term together.

Thank you all for my wonderful Christmas gifts – the children know me very well and all the presents I received were me all over! I am so grateful, thank you. I am looking forward to spending my John Lewis voucher, what a treat.

Here's what we have been up to in our first week back:

- In English we have continued our non-fiction focus on Explanation writing, next week we will be writing our 'Hot Write' – How to plan a party.
- In Maths this week, we have been focusing on the 3s and 4 timestables, learning how to divide and multiply, as well as securing our recall of times table facts. Remember to practise on TTRockstars at home.
- In Geography we are learning about Rivers in our 'Misty Mountain, Winding Rivers topic'. We have explored our local River Trent – where the River starts and the major towns or cities it runs through. We have also learnt about the journey of a River from the source to mouth. We have combined this with our Art topic and created River landscapes with annotations of the key features such as waterfalls and meanders.
- In Computing, we have used 2Logo to draw shapes – feel free to login at home and have a go!
- We've started our new topic in Science 'States of matter', understanding what makes a solid, liquid or gas – see the **homework** below to further investigate states of matter.
- Our RE question for this term is 'How do Hindu families practise their faith?' and we have learnt about Hindus in the community and the offerings of the Puja tray.
- In Art, as well as our River landscapes, we have been using a viewfinder outside in nature to choose a viewpoint and sketch it using the photos we have taken.

Homework – States of Matter

This is a practical Science homework and therefore there is no need to bring anything in, however if you would like to send in any pictures of children exploring one of the following activities at home, it'd be great to see!

1. Ice Cube Experiment: To understand how solids turn into liquids.

What you need:

- 1 ice cube
- A plate or tray
- A timer (optional)

Instructions:

- Place the ice cube on a plate at room temperature.
- Watch what happens as the ice melts.

What happens to the ice cube when it gets warmer? What state of matter is the ice cube in before and after it melts?

2. Blow Up a Balloon (Gas Experiment) To explore how gases fill space.

What you need:

- A balloon
- Your breath!

Instructions:

- Inflate the balloon by blowing air into it.
- Feel the balloon and observe what happens.

What state of matter is the air inside the balloon? Does the balloon change shape? Why do you think that happens?

3. Water Boiling (Liquid to Gas Experiment) To observe how heat changes a liquid into a gas.

What you need:

- A kettle or saucepan with water (with adult supervision)
- Heat source (stove or microwave)

Instructions:

- Heat the water in the kettle or saucepan.
- Watch carefully as the water starts to boil. What do you see?

Can you see steam? What state of matter is steam? Why do you think the water turns into steam when it gets hot?

4. Make a Freeze and Thaw: To understand how temperature can change the state of matter.

What you need:

- Ice cube tray

- Water
- Freezer

Instructions:

- Fill an ice cube tray with water and put it in the freezer.
- After a few hours, take the tray out and observe the ice.
- Let it sit at room temperature and watch what happens as the ice melts.

What are the different states of matter (solid, liquid) of the water at different times?

5. Find Examples Around Your Home: To identify real-life examples of solids, liquids, and gases.

Instructions:

Look around your home and find **one example of a solid, one example of a liquid, and one example of a gas.**

- Why do you think these objects belong in their state of matter?

Key dates for your diaries are available on the Headteacher Newsletter and the weekly newsletter at a glance: Weekly Newsletters 2025/2026| St. Peter's C of E Academy (eastbridgfordstpeters.co.uk) <https://www.eastbridgfordstpeters.co.uk/newsletters-at-a-glance>

Thank you.

Have a lovely weekend! Miss Waghorn.