

# Women and Girls in Science Day 2023

On Friday 10<sup>th</sup> February, the school celebrated Women and Girls in Science Day. Every year group embraced the day to its full potential!

**EYFS** designed and created rockets using junk modelling and explored launching rockets outside. **Mae Jemison** inspired their learning.

**Year 1** learnt about **Sylvia Earle** who is a famous Marine Biologist and learnt about waterproof materials for science linked to literacy. They made posters to show all the information they had learnt and then did a fun experiment where they made an egg float!

**Year 2** made a space launcher, to test the shock absorbency to land astronauts safely on another planet. They linked their learning to many famous women scientists, including **Katherine Johnson, Dorothy Vaughan, Mary Jackson, Christine Darden and Margaret Hamilton.**

**Year 3** focused on **Mary Anning** and fossils. They did an edible fossils experiment to see how the different shapes created imprints in the layers of bread.

**Year 4** were experimenting with chemical reactions. They compared mentoes and coke with vinegar and bicarbonate of soda and wanted to find out which created the tallest geyser. This was inspired by their learning on **Katia Krafft** a well know scientist and volcanologist.

**Year 5**, explored the work of **Katherine Esau**; a botanist who looked at the anatomy of plants and how this information could be used to understand plant development. They looked at the key conditions needed for a plant to germinate, creating window greenhouses with sunflower seeds and beans in various conditions. They were excited to find a few of their seeds had germinated over the half term holiday

Female scientists from St. Helena visited **Year 6** to celebrate Women in Science Day. They explained that there is a still a small percentage of females joining STEM professions (Science, Technology, Engineering and Mathematics) when they are older. The scientists then taught them about chemical reactions that they may learn about in secondary school. They made rainbows with chemicals, made a mini explosion and even created 'Elephant's toothpaste'!

