

Reception Science Week 2021

St Mary's C of E Primary

Do everything in love



1 Corinthians 16:14

Learning to Love, Loving to Learn



We have been learning all about Isaac Newton and his invention of the first colour wheel. We had lots of fun making our very own colour wheels and we even experimented with food colouring and milk and made our own rainbow bagels. Yummy!

Year 1 British Science Week 2021



Year 1 had a busy and productive time during British Science Week. We worked in pairs to design our own planes and then flew them to see how far they went. We compared our designs and concluded which were the most effective and why.

As part of our 'Animals' topic, we enjoyed the challenge of classifying and sorting animals according to their features.

Finally, we finished the week by planting in the Year 1 garden. We can't wait to observe these plants grow over the coming weeks and months

Year 3 British Science Week



During Science Week, the children made gliders and then measured the distance that they could fly. They then altered the gliders to their own design to see if they could fly further.

The children also participated in an investigation at home as part of their remote learning to see which biscuit (either a plain digestive or chocolate digestive) would be the best dunker. We then collated our data in school, presented it on a bar graph and interpreted it. The children discussed their findings and made conclusions. They found that the chocolate digestive was the best dunker (and the tastiest!) because it did not dissolve as quickly.

The children also enjoyed finding out about the famous inventor Henry Ford. They were amazed that he had built his own race car and went on to win competitions in it.



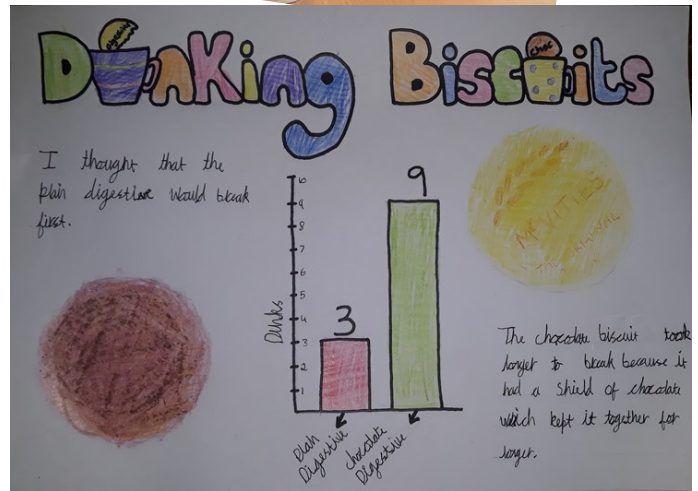


Year 4 British Science Week.

Year 4 launched Science Week during remote learning, by carrying out a biscuit dunking investigation at home. They then collated data in school, presented it on a bar graph and interpreted it. The children then discussed their findings and found out which biscuit was the 'best dunker.'

We were very excited to carry out a paper aeroplane investigation. The children made their air-crafts, and measured the distance that they could fly. We discussed fair tests and variables.

Finally, the children enjoyed finding out about the famous conservationist Gerald Durrell, and conducted a deforestation investigation. We drew the conclusion that vegetation helps to reduce surface run-off and landslides.



Year 5 — British Science Week 2021

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British Science Week: Drinking Biscuits

What we did: We chose 3 types of biscuits and then dunked the biscuits them in the same amount and temperature for 1 second vertically and then held it above the water for 2 seconds horizontally.

How we made it a fair test: We made it a fair test by dunking the biscuit in for the same amount of time and holding it for the same amount of time. We used the same amount and temperature of water. We made sure to count each dunk. The only variable we did change was the biscuit.

Results	Name of biscuit	Thickness (mm)	Number of dunks
	Cracker	2mm	20+
	Almond thin	4mm	3
	Shortcake	7mm	4

Conclusion: This did not quite show that the thicker the biscuit, the more dunks it takes but that may be because the cracker had been hardened in an oven so it was more sturdy.



Year 5 were very busy during British Science Week. They had lots of fun carrying out various experiments. Their favourite one was using sieves to separate different materials.

The children also researched Edward Jenner and found out lots of great facts about him. Did you know that he discovered a vaccination for smallpox?

We explored how the eye can be tricked with an optical illusion. We created the letter 'A' so that it seemed to be floating off the page.

We also realised that sand does not dissolve in water. We call this a 'mixture', not a 'solution'.



Edward Jenner 1749
 EDWARD 1824
 Past life: TENNER

Only at the age of 8 something tragic happened in his life. It didn't really even occur to him then. There was a disease, called smallpox. They were pass filled spots on your body.

When he was eight...

When he was 8 he was forced to help with smallpox. The doctors thought if they put a little bit of smallpox in you you would never get it again! What they did was ground up scabs and blew them up their nose!

The vaccine

The vaccine was made from a fluid taken from a cowpox scab. This would prevent you of getting smallpox. But before Edward could be sure this worked. He tested it on a 8 year old boy! He scratched the scabs on the boy and inserted the liquid, then he kept checking the boy for smallpox but there was none!

Year 6 British Science week 2021

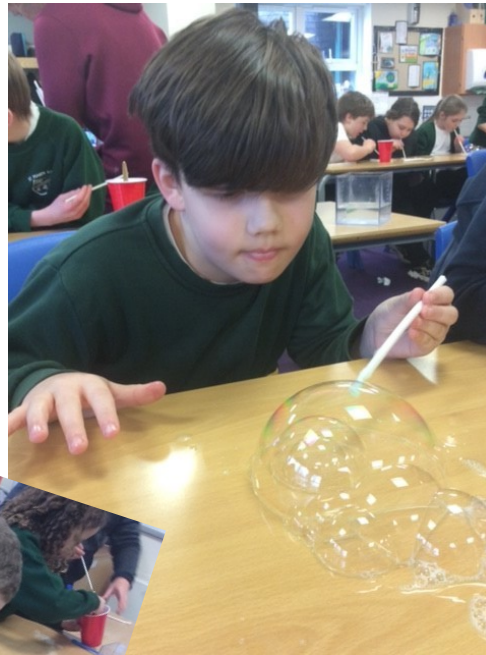
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The world record for 'bubbles inside bubbles' is 15. In

year 6, we looked at what effect adding a small amount of sugar to the bubble mixture would make. We

all agreed that it made a much better mixture, however, we only managed to get 5 bubbles inside each other!

Year 6 also produced work on Charles Darwin and his exploration on the Beagle. We learned that there are many endemic species which live in the Galapagos islands but that, unfortunately, due to global warming and climate change, the islands are at risk due to rising sea levels. Like the rest of the school, we conducted a biscuit dunking activity to see how the effect of hot liquid on the sugar in the biscuits would affect its strength when repeatedly dunked.

