

Science Week Bulletin

Valley Invicta Primary School at East Borough

Friday 18th June 2021

Last week's East Borough Science Week was an incredible success! All of the children across the school were challenged to 'Work Scientifically' for the week with four days of incredible investigations.

The children in EYFS made their own walking rainbows as part of our Science week investigations. After looking at the materials they were given, they decided that the kitchen towel would suck up the water and this would create our rainbow.

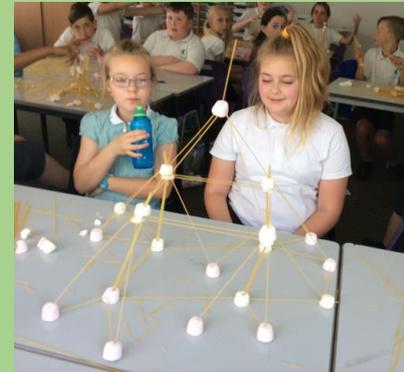
They linked this about their learning to 'The Tiny Seed' and how plants use roots to suck up water. They watched a video showing white flowers being placed into food colouring and using our knowledge from the experiment they used their prediction skills to say why they thought that the flowers would change colour.

KS1 investigations were both related to food! They were finding out which sweets stretched the furthest to help some sweet makers. They wanted to find out so that they could develop a new super hero themed sweet which was super stretchy! Lots of measuring and Maths skills were used in this experiment!

Their second investigation was finding out which biscuit was the most dunkable! Mrs Gocmen hates it when her biscuit breaks in her tea. They made predictions before investigating with REAL biscuits, then presented their results and wrote a conclusion with their findings. No more soggy biscuits, Mrs Gocmen!

Year 3 dropped various items off the KS1 climbing frame to find out about gravity and air resistance. They said they were amazed to discover that heavy objects do not fall quicker than lighter ones. However, a scrunched up piece of paper fell faster than a flat piece. They discovered why this was by watching astronaut Commander David Scott drop a hammer and feather on the moon, in 1971, to see them both land at the same time was fascinating.

They also undertook a drip drop investigation to discover which materials were absorbent and then discussed why this might be. They made predictions, then tested the materials and wrote about their observations.



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Year 4 investigated 'Does the thickness of a biscuit affect how many times it can be dunked before it breaks?'. They tested Chocolate Bourbon, Rich Tea and chocolate covered Hobnob biscuits. They also learnt how to carry out a fair test and considered the different variables before we made our predictions. Maths skills were used again as the children measured the biscuits before dunking. In their conclusions they tried to use scientific vocabulary such as 'absorb', 'melt' and 'dissolve' to answer the question. 'This is the best day ever!' said Tania!

Year 5 investigated the relationship between surface area and height, with the marshmallow and spaghetti challenge. The children had to build the tallest tower, using their knowledge. It was great fun, if a little sticky!

"We realised that we needed a big base on our tower if it was going to be tall. We won the challenge!" said Lilly G. Daisy added, "It was great fun and by having a wide base on our tower, we made the tallest one in the class."

Year 6 used their STEM understanding to design and make bridges out of art straws that were strong enough to hold the greatest weight. They learned that using triangles is an effective way of taking heavy weights and their strongest bridge held 3kg!

They also learned about how the addition of salt to cold water can affect the freezing temperature – by making ice cream in a bag! They put milk, cream and vanilla essence in one bag, then placed it in another bag full of ice and salt. It took 7 minutes of shaking! By adding the salt to the ice, it lowered the temperature of the water, which allowed the temperature of the mixture around the milk to get colder, causing crystals to form in the milk and turn into ice cream. Apparently, it didn't taste very nice (more vanilla essence next time...)

Winners of Science Week competition:

EYFS	Victor – Milne Class
Year 1	Holly – Holmes Class
Year 2	Bernard – Peake Class
Year 3	Brooke – Pankhurst Class
Year 4	Aleksander – Darwin Class
Year 5	Sophia – Stephenson Class
Year 6	Daisy – Fleming Class



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