



Brampton CE Primary School

During British Science Week the Association of Brampton, Bramfield and Ringsfield CE Primary Schools immersed themselves in Science with extra investigations, experiments, and a range of exciting learning activities. Each day the Teachers inspired and enthused children with a Science assembly, showcasing an element of Scientific knowledge and learning through an interactive demonstration.

Teachers showed interesting chemical reactions between solids and liquids by: creating lava lamps, launching film canister rockets and creating elephant's toothpaste using a bottle of diet coke. Mrs Blowers also demonstrated the science of psychology by conducting the Stroop Test on children and adults of different ages. The Children really loved the discussions created by these live demonstrations and they set the scene for the classroom learning.

The week culminated in a fantastic Science Fair where many children presented a range of Scientific ideas, investigations and demonstrations, showcasing some amazing knowledge and A LOT of hard work (by both parents and pupils!). It was wonderful to see all of the children enjoying each other's work, learning together and teaching each other. Many parents came to enjoy the display of learning and the children really liked explaining what they had done.

All elements of Science were showcased, with children displaying their understanding of:

1. Animal Biology: bird feeders and animal information sheets, coloured water through a flower and a bug hotel.
2. Chemistry: carbon reactions that produce gas and make volcanic or messy eruptions, lava lamps that show how water and oil don't like to mix, convection of heat to make a spiral move.
3. Physics: exploring prisms and rainbows.



Reception-

In Reception the children carried out a variety of experiments within the continuous provision. Through following children's interests they;

- Learnt about flowers and spring. The children went around the outside area and found different types of flowers, discussing the difference between them all. The children enjoyed painting them and some of the children labelled the different parts of the plant.
- Explored floating and sinking. The children discussed and predicted what might float or sink and why. The children then tested their predictions out. They had a good go at explaining why each object either floated or sunk.

KS1-

Year 1 and 2 took a trip through the senses, exploring the 5 human senses of sight, touch, taste, hearing and smell. They:

- Made careful observations to answer questions and to set up investigations to compare our ideas.
- Played games to help us learn the names of the correct body parts, we completed sense exploration games
- Tested materials and objects for their sound blocking properties.

Lower KS2-

Year 3 and 4 focussed on Sound as their topic. They explored how sound works and how we hear it. During the week they:

- Took part in an amazing workshop provided by The Red House and The Britten Pears Foundation. During just one morning 6 investigations were introduced to us enabling us to explore and find out all about sound waves.
- Explored sound vibrations in salt and rice patterns through drum skins.
- Found out about the Doppler effect (how pitch of sound changes as it moves past you)
- Replicated sound waves,
- Explored echo location sound and controlled sound using light sensors, we saw sound waves on a computer screen and learnt about how sound is measured in Hertz.
- Explored an ear model and found out about the detailed parts of our ear structure.

Upper KS2-

Year 5 and 6 were exploring the topic of electricity. During the week they:

- Took part in an amazing practical investigation to answer the question 'How does voltage affect the components in a series circuit?'
- Carried out their own investigations deciding upon variables to test, measure and keep the same to ensure a fair test.
- Discussed the difference between dependent and independent variables and used these to help pose further questions.
- Produced their own tables and recorded results, including repeat readings enabling them to calculate an average to increase the reliability of their results.
- Used the light meters to find the readings of the light level (measured in LUX).
- Found out that increasing the voltage in a series circuit increased the light intensity of the bulb.



The children enjoyed their week and all seem more engaged and enthusiastic in Science lessons. Max said, "It was interesting, I learnt how to use a voltmeter. Lily also enjoyed the week and said, "I liked the assemblies, I really want to find out more about psychology." Joseph added, "I enjoyed Science Fair because it was really exciting and interesting."