

Federation Science Newsletter



BRITISH SCIENCE WEEK

FROM THE 5TH- 14TH OF MARCH, THE FEDERATION OF LONGHORSELEY AND WHALTON COFE SCHOOLS, CELEBRATED BRITISH SCIENCE WEEK. THIS YEAR'S THEME IS 'INNOVATING FOR THE FUTURE'. HERE IS WHAT WE HAVE BEEN UP TO!

Promoting Reading Through Science!

Across the Federation, the children have enjoyed reading 'Counting on Katherine' by Helaine Becker; the true story of a NASA heroine. The bold story, beginning with Katherine Johnson's early life as a gifted student, leads up to her heroic accomplishments during the Space Race. The groundbreaking American woman, who not only calculated the course of the moon landings but, in turn, saved lives and made enormous contributions to history, is a real inspiration to us all!

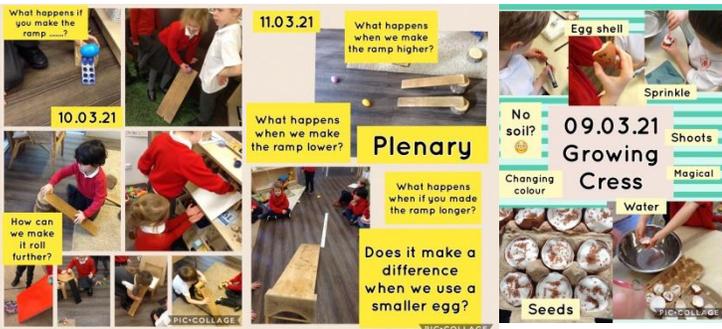


In Nursery and Reception:

At Longhorsley:

We have been thinking about an Easter tradition, 'Egg rolling'. We have been investigating how to make ramps and how to make our eggs go the furthest. We talked about 'fair tests' and 'results' and measured the distance with a big ruler! They were very impressed that the ruler had number 1000 on (for mm).

We are also growing cress! Isn't it magical that cress doesn't need soil to grow! We watered the cotton wool and put them on the sunny window sill! We have noticed colour change and white shoots!



In Reception and Year 1:

At Whalton:

Class 1 has been considering germs and creating pictorial representations of some of their own. We continue to practise our hand washing and have seen why soap is so good at helping get rid of germs. We have also enjoyed various versions of the Princess and the Pea and been inspired to see how many layers of paper (mattresses) it would take before we could no longer feel the pea underneath! After 40 pieces the princess would have a good night's sleep!



In Year 1:

At Longhorsley:

This class's learning has been out of this world! Year 1 have been learning all about Neil Armstrong and the Moon Landing. Much enjoyment was had making the moon's surface, complete with realistic craters!



In Year 2, 3 and 4:

At Whalton:

After finding out about the work of NASA's Katherine Johnson, Class 2 have been investigating the power of balloon rockets and have discovered the forces in action on the rockets, slowing them down or speeding them up.



In Year 4:

At Longhorsley:

Year 4 collected natural resources from around the school (grass, berries, petals etc). We then ground them up into a powder or paste. Once ground, we added water and then filtered out the large particles. This left us with some coloured water. We poured this onto trays and left to evaporate. Once evaporated, we mixed with powdered pigment with a little water and to our amazement, we had made paint!



In Year 2 and 3:

At Longhorsley:

Children began by considering how movies are made. They learnt that our eyes see a succession of images that move rapidly. Our brain interprets these images as a single moving 'picture'. Children then investigated this concept of persistence of vision by making their own flip books!



Years 5 and 6:

This British Science Week, Class 3 have taken part in a range of live lessons. Experts at Harper Adams University, who examine the science behind the food that we eat and the thousands of people involved in its production, delivered these lessons.

We have discovered how professionals are innovating for the future and producing food for the planet while caring for our natural environment, in order to farm for the future!

We were invited into their robotics lab to look at how robots can solve some of farming's biggest challenges: improving soil health, making growing crops more efficient, farming areas that were not suitable for growing crops before. These were just some of the topics, which fuelled many of our big questions, throughout the week!

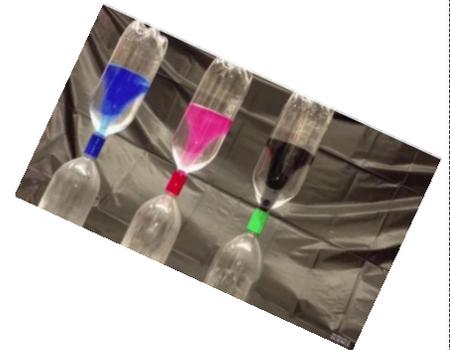
Years 5 and 6 were also invited to become trainee vets for the day, to assist Theeb whilst learning all about keeping animals healthy, from the comfort of our own classroom. Our brains are still buzzing with lots of potential careers in the field of science, which are available for us to choose from!

TWITTER

Don't forget that you can follow our school twitter account for not only Science updates, but updates from across our vast curriculum. If you do not have a Twitter account to follow @Cofeschool or @LonghStHelens there is a live feed on our school website: www.longhorsley-st-helens.northumberland.sch.uk/website www.whalton.northumberland.sch.uk/website

Whalton CofE Primary School @... · 3d ...
As part of #BritishScienceWeek & #InternationalWomensDay we have enjoyed reading 'Counting on Katherine' by @helainebecker; the true story of NASA heroine who used maths to tou the moon, despite the many obstacle faced #BSW21 🌙 📖 🇺🇸

Longhorsley St Helen's C of E Pr... · 1d ...
Class 3 have been celebrating British Science Week #BSW21 by finding out about persistence of vision. They have explored this concept by making their own flip books! @CofeSchool



SCIENCE AT HOME:

TORNADOES IN A BOTTLE!

You can create your own tornado in a bottle. All you need is two bottles, a tube to connect the bottles, and some water.

When you whirl the liquid in the top bottle, it creates a vortex as it drains into the bottom bottle. That is because as the water flows down, air must flow up, creating a spiraling tornado.

You can even add glitter, food dye, or lamp oil to the bottle to make the tornado even cooler

BIG QUESTION: Is it likely that the water will transfer faster from the top bottle to the bottom bottle, when the water is swirled to create a tornado, compared to it just bubbling through?

