

## Lickey Hills Primary School and Nursery - School Newsletter

### Friday 17th February 2023

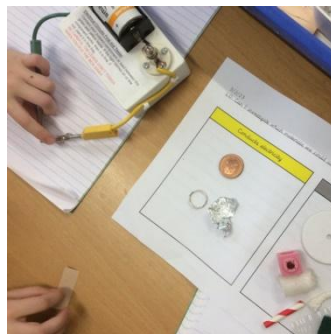
#### Curriculum Corner - Science

##### Science at Lickey Hills

At Lickey Hills we aim for our pupils to experience a sense of excitement and curiosity about natural phenomena and to have a scientific view of, and respect for, the world around them. Our belief is that understanding of science is best gained from hands-on engagement with the subject and therefore a practical approach is used wherever possible to allow children to lead their own scientific learning and have a greater understanding of science and its wider application in their everyday lives, today and for the future. Our Year 6 Science Ambassador, Harrison went to investigate what has been happening around the school...

##### Early Years

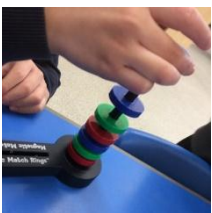
In **reception** and **nursery**, we have explored a wide range of science concepts through 'Understanding the World'. This includes exploring our senses and health and hygiene. We've learned about lots of animals too, including hibernating hedgehogs, baby animals and a particular favourite: meeting a life-sized emperor penguin. We've also observed how the seasons have changed with autumn and winter walks and noting how our local plants and animals have responded.



##### Key Stage 1

Key Stage 1 have been exploring materials this term. The main highlight of **Year 1** and **LB1's** learning has been predicting and investigating which object would attract to a magnet. **Year 2** have been exploring the suitability of different materials for tasks. Their favourite experiment was investigating which was the best material for a tent.

Last term, **Year 1** focussed on exploring their senses and the weather while **Year 2** went on a round the world adventure on HMS Beagle, discovering different habitats and the plants and animals that live there.



##### Key Stage 2

In Science this term, **Year 3** have been exploring rocks. The best part was figuring out the different types of rocks using observation and simple tests using acid. This follows on from finding out about the role of the human skeleton in the Autumn. **LB2** have also been studying rocks but began the term exploring forces, including magnetism.

**Year 4** have experimented on sound waves, including using a drum and lentils to visualise them. They explored how the volume and pitch could be changed. **Year 4's** favourite part of Science learning has been last year's topic on electricity, particularly making electric circuits.



Across the last two terms, **Year 5** have been studying the interrelated topics of forces and space, much of their learning about the Earth and the Solar System can be explained by gravity but we've also researched how we know that the Earth is approximately a sphere, including learning about an Ancient Greek named Eratosthenes who measured the Earth over 2000 years ago. The obvious highlight was the visit of the Black Hole Planetarium where we learned even more about our place in the Universe.

In the Autumn, **Year 6** learned about how all of life is organised by scientists in a universal classification system. They turned explored inheritance and how natural selection leads to the evolution of the wide variety of lifeforms. This term they have been investigating light, including how we are able to see things.