



Lickey Hills Primary School & Nursery

dream together • believe together • achieve together

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, as we move through the summer term, our lessons also take advantage of our wonderful school grounds.

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 but also has a large focus on exploring our natural world. From finding out about the lives of butterflies, frogs and penguins amongst many other animals, through to observing how the seasons have changed and their impact on our local area, we have loved learning about our planet.



Key Stage 1

All of Key Stage 1 follows a closely related curriculum and whilst **Year 1** have start developing their understanding of materials and their suitability for different uses, **Year 2 and LB1** have been taking their understanding further by testing materials and exploring how they are affected by pushing, pulling, bending and twisting forces. As we've moved into the summer term, we've switched our focus to the natural world with all of KS1 investigating plants and animals with an emphasis on our native species that we can find in our local environment. As part of this, LB1 and Year 2 took a walk up to Lickey Hills Country Park this week to investigate the trees that can be found there, as well as the wildlife that depends on them.

Key Stage 2

In Science this year, **Year 3** have started our KS2 exploration of the human body by looking at the skeleton and muscles before moving on to investigating light and forces with a focus on magnetism.

Meanwhile, **Year 4 and LB2** have explored how matter can be changed between the three basic chemical states of gas, liquid and solid and how this comes together in the water cycle, before continue exploration of the human body by looking at how the digestive system works.



So far this year, **Year 5** have been learning about the Earth and the Solar System, the highlight of which was the visit of the Black Hole Planetarium. We then moved on to exploring chemical changes to materials, including dissolving substances to make solutions. This term, Year 5 have moved on to life cycles starting with plants before progressing onto various animal groups.

Year 6 have been finding out about the formal classification system for living things, leading on to how they are related and have evolved through natural selection. We have then progressed to studying electricity, building on our Year 4 learning and looking at more come complex circuits, as well as beginning to record them using standard symbols

