At Beechwood, the Science curriculum is rooted in the school's underlying aims, ethos and values.

It is carefully designed to equip our pupils with the scientific knowledge, skills, understanding and attitudes that will both prepare them for the next stage in their education and enable them to live successful lives in the future.

The curriculum enhances the existing SMSC provision at Beechwood by allowing children to develop a sense of awe and wonder, developing their awareness of the changing world around them. We make links to British Values and help pupils to understand the consequences of their actions and develop personal qualities and social skills through group and practical work (see separate document: 'SMSC at Beechwood Primary School' for more information).

We aim to inspire all of our students to make informed decisions and think in scientific ways through our enquiry skills and approaches, so that they become increasingly confident in asking and answering questions. We want all children to see themselves as scientists!

Aims:

The Beechwood science curriculum aims to:

- Develop scientific knowledge and conceptual understanding through the specific disciplines of Biology, Chemistry and Physics;
- Develop understanding of the nature, processes and methods of science through different types of scientific enquiry;
- Ensure that pupils are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future;
- Use specialist terminology accurately and precisely, progressively building up a vocabulary to describe and explain scientific characteristics, processes and concepts;
- Cultivate a questioning, critical attitude and a curiosity about the world.
- Link closely to our Climate Curriculum.

British Science Week

Every year, we celebrate British Science Week at Beechwood. We work with the schools within the Leeds East Primary Partnership to create a series of investigations and events based on the theme chosen by The British Science Association.





Trips and Visitors

We love to have exciting trips and visits related to our Science curriculum so that children can be curious and deepen their knowledge through hands on learning.

In Reception, children visit Harlow Carr to explore the gardens linked to their learning about garden plants and animals. They have also visited to the farm to find out about animals.







In Year 1, children visit Eureka to explore the different galleries related to the body and senses. Thy participate in a workshop called the 'Gross Lab'. They also visit Tropical World to explore different types of animals.







In Year 2, children go on an exciting adventure to Yorkshire Wildlife Park. They take part in a workshop called 'Fur, Feathers and Scales' to learn about the different types of animals and how to identify them





In Year 3 children visit Meanwood Valley Farm, Magna Science Adventure Centre and also go on an exciting residential to Ilkley to experience the joys of outdoor learning.





In Year 4, children visit the Lake District and link this to physical geography and animal classification. Children have a workshop relating to the Sound topic in which they learn about how sound is made, understanding sound sources, exploring pitch and tone.





Year 5 pupils visit Leeds Industrial Museum linked to their learning about the Industrial Revolution and the environmental impact of this significant change on the world.



Year 6 visit the Science Museum during their London residential trip. They also visit Skelton Lakes where they participate in a workshop about Inheritance and Evolution.