



Science

At Harewood, we understand the need for children to develop their Scientific ability as an essential component of all subjects as well as a subject in its own right. The knowledge and skills they develop in Science will support their work across the curriculum. Enquiring minds and enquiry skills enable children to become independent thinkers who can apply the what they learn about working scientifically into other areas of their life and it builds the foundations for lifelong learning.

We believe that children are born scientists and our job is to develop the knowledge and skills. We aim to enthuse and empower our children so they never stop asking questions; so they have the confidence to interrogate the world around them and use what they know to understand their responsibilities as part of the worlds ecosystem.

We adapt teaching to suit children's interests and make links to current events. We engage parents to support children's learning at home through research projects. Visitors to school and visits out of school also play a vital role in bringing science to life for our children and we are fortunate to work closely with, and use the facilities of, the Harewood House Trust and Harewood Estate.

We want children to be excited by what they learn in Science and ask their own questions. At Harewood we believe in experiential, enquiry based learning and much of our Science is practical and collaborative. As well as creating a platform for extending scientific knowledge and skills this also provides opportunities to learn how to value the opinion of others, reason, explain and justify their own ideas. All ideas are valued and the most powerful learning can arise from discussions about misconceptions in an atmosphere of mutual respect and tolerance. Practical learning is recorded through photographs to help children revisit their learning, help embed it and secure genuine progression. The National Curriculum for Science reflects the importance of spoken language in pupils' development across the whole curriculum – cognitively, socially and linguistically and at Harewood Scientific vocabulary is specifically taught, explored and revisited. Children who need more support are enabled and those working at a greater depth are also challenged through thoughtful questioning. They are encouraged to support their peers and in doing so they deepen their own understanding.

Our intent is to make Science learning powerful, meaningful and make the skills children develop transferable. We want to give them experiences to remember and a thirst for further learning.

“Education for Life In All Its Fullness”

