

Science at Hopton Primary School



The 2014 national curriculum for science aims to ensure that all pupils:

- ❖ 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 science enquiries that help them to answer scientific questions about the world around them.
- ❖ Are equipped with the scientific skills required to understand the uses and implications of science, today and for the future. We understand that it is important for lessons to have skills-based focus, and that the knowledge can be taught through this.

At Hopton Primary School, our aim is to help develop a child's inquisitive mind in order for them to build a strong understanding of the world around them and for them to discover how science is involved in our everyday lives. We encourage the children's natural curiosity about the universe and promote respect for the living organisms and the physical environment whilst facilitating them to acquire specific investigative skills and knowledge to help them think scientifically. We want the children to have a thoughtful and empathetic view on the implications that science and our actions can have not only today but also into the future.

Scientific enquiry skills are taught and embedded in each topic that the children study and topics are revisited and developed throughout their time at Hopton. Topics such as plants are taught in Key Stage 1 and studied again in further detail through Key Stage 2. This allows children to recall previous knowledge taught but also for them to build on and extend their understanding and increases their enthusiasm in order to assist the information being processed into their long-term memory.

The curriculum is designed to ensure our children are able to access and acquire key scientific skills through a hands-on approach; using specific equipment, predicting, conducting experiments, building arguments and explaining their findings and concepts with confidence and the correct vocabulary. We want the children to be curious and question the world in which they live in and on their educational journey become independent learners in exploring and discovering possible answers for their scientific based questions. Specific vocabulary for each topic as well as the investigative element are held in high regard and are taught and progressively built on during their years at Hopton. Not only this but the encouragement of effective questioning is held in high regard, which with time and experience allows the children to learn a variety of different approaches to answer scientific questions. Finally, we aim to develop awareness of significant individuals, both past and present in the field of science, thus promoting that science is a discipline open to all.

Most of all we want the children to have a passion, an enthusiasm, an enjoyment for the love of discovery and scientific learning.