

Our **Science curriculum** aims to provide the foundations for understanding the world. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They are encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

Our curriculum fosters a love of Science by ensuring that pupils:

- ✓ **Build knowledge** – Learning about core scientific concepts and ideas.
- ✓ **Develop curiosity** – Encouraging pupils to ask questions and explore inspired by excitement and curiosity about their natural world.
- ✓ **Develop Inquiry Skills** – Carrying out hands-on investigations, observations and experiments to develop critical thinking and problem solving skills.
- ✓ **Link Science to Everyday Life** – Fostering an understanding of its impact on themselves and the environment and an appreciation for sustainability from an early age.
- ✓ **Connect learning to real-world careers** – Understand the breadth of occupations linked to science and the impact that scientists have on everyday life.

Each topic has been carefully chosen and planned to ensure that our curriculum principles and intent can be achieved. Opportunities to apply English and Maths learning are embedded throughout each topic to provide pupils with the opportunity to apply this knowledge within meaningful contexts.



By connecting our learning in Science to our Big Idea curriculum, pupils also develop a deep understanding of these abstract concepts while enriching their knowledge of the Science curriculum. This approach supports the development of critical thinking, curiosity, and cross-disciplinary connections, equipping pupils with the skills and understanding they need to navigate the world around them and become the best version of themselves.

Community	How does science shape and improve our communities?
Human Rights	Why is clean water and fresh air important for everyone and how can we make sure everyone has access to them?
Stewardship	What changes can we make in our daily lives to protect the environment and its resources?
Resilience	How do living things adapt to survive when their environment changes?
Equality	How do scientific advancements create a fairer world?
Health	What do our bodies need to stay healthy, and how does science help us understand this?
Technology	In what ways does scientific discovery lead to the creation of new technologies that improve our lives?
Wonder	What amazing discoveries have scientists made about our natural world?