

Science Vision Statement

What are we trying to achieve in Science?

Through Science teaching, we aim to inspire our children to develop a fascination and inquisitive mind about the world around them.

From early exploration in Nursery, to Science and Health weeks and through a language rich curriculum we aim to provide children with the knowledge and skills needed to interpret what they see.

Throughout school, we aim to instil curiosity and the ability to observe, ask and answer questions and investigate.

Children's knowledge and understanding of all key areas will develop through each year group through hands on activities along with developing the skills needed to work scientifically.

In teaching our children about the amazing world they live in, we believe that these opportunities will ensure that they are confident, life long learners.

How is the subject taught?

To contextualise the learning Science is taught under overarching topic themes and carefully chosen texts

In Reception, Science comes under the curriculum area of 'Understanding the World,' providing links with geography, history and technology. In Key stage 1 we begin to look in more detail at working scientifically, through key areas such as plants and everyday materials.

Science teaching is enhanced at every opportunity with visitors in school such as the Science Boffin during Science week, which is also a week full of investigations.

Throughout the curriculum Scientific vocabulary is developed, this progresses from hands on play opportunities and personal exploration during the early years to considered questioning and drawing out ideas in year 2.

Opportunities to develop scientific skills, for example planning and completing an investigation, are used at every opportunity. All lessons are differentiated through outcome, support or by differing activities, ensuring that all learning is relevant to all abilities. The key skills within KS1 are asking simple questions, observing closely, using simple equipment, identifying and classifying, using their observations and ideas to suggest answers to questions and gathering and recording data to help in answering questions.

Impact

Work scrutiny, evidence in floorbooks and discussions with pupils shows a progression of skills and an understanding of Scientific knowledge and application of skills. Children are able to apply and link their scientific understanding to other areas of the curriculum and everyday life.

By the time they leave our school, they will be inquisitive analytical, environmentally aware, challenge their thoughts, ask questions and communicate their ideas knowing that predictions can be right or wrong and be confident using scientific vocabulary.

SMSC / PSHE / British Values

Cultural;

- Recognising the things that scientists/ people have in common in terms of scientific discoveries and how they have shaped the beliefs and cultures of the modern world.

Moral;

- Develop an understanding of how decisions are made using evidence. We should be open minded and critical, using our understanding of the world in a positive manner.

Social;

- Encouraging children to work together, share ideas, data and results.

Spiritual;

- Reflecting on experiences and developing a sense of awe and wonder.