Fiskerton CE Primary School

Science

Intent, Implementation and Impact Statement

Belonging, learning and flourishing together in God's love.

'Encourage one another and build each other up' (1 Thessalonians 5:11)

Science Curriculum Intent

Rooted in God's love and inspired by St Clement's call to live in harmony, our Science curriculum reflects our commitment to being an inclusive and caring church school where every individual is known, valued and nurtured. We aim to inspire pupils to develop a curiosity, wonder and respect for the natural world. Through this, we nurture respect, responsibility and a sense of stewardship, enabling pupils to appreciate and care for the diversity of God's creation.

In line with our vision of belonging, learning and flourishing together, we support children to grow, explore, question and understand the world around them while developing a sense of responsibility as stewards of the Earth. Pupils are encouraged to work collaboratively, supporting and encouraging one another in their learning, living out our underpinning Bible verse: "Encourage one another and build each other up" (1 Thessalonians 5:11).

Our progressive curriculum is carefully sequenced to build knowledge and skills over time. It fosters curiosity and deepens pupils' scientific knowledge and understanding, in addition to learning how to work scientifically. Through engaging and purposeful learning, pupils are encouraged to ask thoughtful questions, make connections and reflect on the world around them.

As pupils move through the school, they develop confidence in scientific enquiry, asking and answering questions and forming their own interpretations. They are encouraged to think critically, reflect deeply and take an active interest in the challenges facing their world.

Implementation

Our science curriculum is delivered through a carefully structured and progressive sequence of lessons, supported by high-quality resources. This ensures consistency, clear progression and full coverage of the National Curriculum.

Teaching is designed to be inclusive, engaging and supportive, enabling all pupils to feel valued and successful as they explore God's world. Lessons incorporate a balance of practical investigation, observation, discussion and recording, with regular opportunities for revisiting key concepts to support long-term understanding. Teachers model scientific thinking clearly and provide appropriate scaffolding to build pupils' confidence, gradually encouraging greater independence and curiosity.

In Key Stage 1 and Lower Key Stage 2, there is a strong emphasis on developing enquiry skills through hands-on investigations, questioning, and exploration. This helps pupils to build confidence and a sense of wonder about the natural world. As pupils move into Upper Key Stage 2, they begin to apply their knowledge more independently, engaging with more complex scientific concepts, fair testing and recording their findings using scientific language.

Spiritual, moral, social and cultural development is woven throughout the curriculum. Pupils are encouraged to reflect on the awe and wonder of creation, developing respect for the environment and an understanding of their role as responsible stewards of the Earth. Opportunities for discussion and reflection allow pupils to consider ethical issues and the impact of science on society, supporting their understanding of responsibility, community and care for others.

Collaborative learning is a key feature of science lessons. Pupils are encouraged to work together, share ideas and support one another, fostering a positive learning environment where encouragement and mutual respect are evident. Teachers create opportunities for pupils to take risks, ask questions and persevere, building resilience in a safe and nurturing space.

Impact

The impact of our science curriculum is that pupils develop a genuine interest and curiosity about the world around them, inspired by a sense of awe and wonder in God's creation. They demonstrate respect for the natural world and an appreciation of its diversity, recognising their role in caring for the environment.

Pupils make clear progress in their scientific knowledge and enquiry skills over time. They are able to ask questions, carry out investigations and explain their understanding using appropriate scientific vocabulary with increasing confidence and accuracy. They can apply their knowledge across different areas of science and begin to think critically about the world around them.

Children develop resilience and a willingness to take risks in their learning. They are confident to explore, question and test their ideas, recognising that mistakes are part of the scientific process. This reflects a supportive environment where pupils encourage one another and celebrate discovery and success together.

Pupils leave primary school with a secure foundation in scientific knowledge and enquiry skills. They are well-prepared for the next stage of their education and have the confidence to engage with new scientific challenges and ideas.

Beyond academic outcomes, pupils develop as respectful, reflective and responsible individuals. They show care for others and the world they live in, demonstrating an understanding of stewardship and their responsibility to protect God's creation. They are equipped with the attitudes and skills needed to flourish both in school and in the wider world.