



Science Curriculum

“Don't let anyone rob you of your imagination, your creativity, or your curiosity. It's your place in the world; it's your life. Go on and do all you can with it, and make it the life you want to live.”

Mae Jemison (First African American woman in space)

At Holy Family Catholic Primary School, our vision is to deliver a science curriculum to our children which enables them to explore and make discoveries about the world around them. We provide practical experiences that encourage curiosity and welcome questioning.

Our intent for our Science curriculum is for the children to have:

- The ability to think independently and raise questions about working scientifically and the knowledge and skills that it brings.
- Confidence and competence in the full range of practical skills, taking the initiative in, for example, planning and carrying out scientific investigations.
- Excellent scientific knowledge and understanding which is demonstrated in written and verbal explanations, solving challenging problems and reporting scientific findings.
- High levels of originality, imagination or innovation in the application of skills.
- The ability to undertake practical work in a variety of contexts, including fieldwork.
- A passion for science and its application in past, present and future technologies.

Implementation

Across all year groups scientific knowledge and skills are learned by working scientifically. Units that interweave Biology, Chemistry and Physics concepts are taught throughout each key stage. In each year group, science units are split up throughout the school year meaning children are continually revisiting different areas of science in order to become more confident in retrieval of scientific knowledge and skills. The science curriculum is progressive throughout the whole school to enable children to build on existing knowledge and dive deeper into their science learning.

Impact

Our aim is that these stimulating, challenging and inquiry-based experiences help children secure and extend their scientific knowledge and vocabulary whilst fostering an investigative, collaborative approach towards all aspects of science. Opportunities are provided so that children can acquire knowledge, skills and attitudes to better prepare them for modern life.



What our pupils say:

“Science is fun because you can explore lots of different things.”

“I like science because we do lots of different investigations and we get to do it by ourselves.”

“You get to learn about the world in science and this is interesting.”

“Science is about discovering things and doing different types of experiments.”

