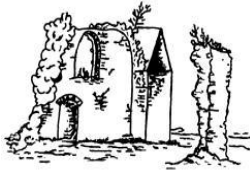


The Priory Catholic Voluntary Academy

Part of the Saint Ralph Sherwin Catholic Multi Academy Trust



Science Statement of Intent

Intent – What we teach and why we teach it, ambitious for all.

The context of our school

At The Priory Catholic Voluntary Academy, our religious beliefs coined within Catholic social teaching are central to the provision throughout the whole school; and the foundation on which the ethos of the school is built. Every person is recognised as a unique creation of God; it is the intention of the school, for each child to be assisted in every way possible, to achieve their potential in science. It is essential that our approach to teaching Science is accessible to all learners, regardless of background and any learners with Special Educational Needs and Disabilities. Every child is unique and special in the eyes of God, and we must give every child the best start to their learning journey by empowering them to become confident scientists.

At the Priory Voluntary Catholic Academy, we recognise the importance of science in every aspect of daily life. As one of the core subjects taught in Primary Schools, we give the teaching and learning of science the prominence it requires. A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry, and physics. Science has changed our lives and is vital to the world's future prosperity.

At The Priory Voluntary Catholic Academy children show a passion for science through a well-sequenced and challenging curriculum. We use the programmes of study as set out in the National Curriculum. The children are given opportunities to develop the characteristics of scientists and explore, discuss and question to deepen their understanding of the world around them.

The pupils will be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key knowledge and concepts, pupils will be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. The pupils will be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

Children have many personal development opportunities in science that not only link to our Gospel Values, but also to Scientists from the past, and the present (who have been carefully chosen to demonstrate a range of diversity). This enables children to see the work, determination and skills required to succeed.

(See separate list of the Scientists the children study throughout the school).

We aim for children to have acquired the essential characteristics of scientists:

- 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

We endeavour to ensure that the Science curriculum we provide will give pupils the confidence and motivation to continue to further develop their skills into the next stage of their education and life experiences.