



## Science Intent statement

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, and all pupils at Guildhall Feoffment shall be taught essential aspects of the knowledge, methods, processes and uses of Science. Through building up a body of key knowledge and concepts, children will be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They shall be encouraged to understand how science can be used to explain what is occurring, ask questions about their observations, predict how things will behave, and analyse causes.

For children to achieve well in Science, they must not only acquire the necessary knowledge, but also understand its value, enjoy the experience of working scientifically, and sustain their interest in learning it. Pupils at Guildhall Feoffment will discover the concepts revealed through observing scientific phenomena and conducting experimental investigations for themselves. It is therefore more likely that the children will continue to study science and use that learning for work, family, and to contribute to society as informed citizens.

## Aims & Objectives

The national curriculum for science aims to ensure that all pupils:

- develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- develop understanding of the nature, processes and methods of science through the different types of enquiries that help them to answer scientific questions about the world around them
- are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.