



Learning for life...achieving together

Science Curriculum Statement

Intent

At The Bythams, the aims of teaching Science are to ensure 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 different types of science 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.*

At The Bythams Primary School, 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 worlds future prosperity, and all children should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, children should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

Implementation

What do we teach? What does this look like?

We follow the National Curriculum which sets out statutory learning aims for Key Stage 1 and 2. As children progress through the years, they will regularly revisit prior learning so that they can build on their knowledge on skills.

Children are taught a variety of knowledge-based topics that are linked with a Cornerstones topic. This helps to make learning engaging and related to the wider context of the topic.

Children are also taught scientific enquiry skills within these topics. They learn how to perform simple experiments, observe changes over time and discuss their research or data.

Impact

What will this look like? By the time children leave our school they will:

- *be successful independent learners;*
- *be able to plan and perform scientific investigations;*
- *be able to discuss and explain their scientific understanding with their peers;*
- *be able to understand how science has changed and is changing the world around them;*
- *have knowledge of a variety of science topics that will support their learning in Key Stage 3 and further.*