



Hayes Meadow Primary School

Science Curriculum Statement



'Cherish the natural world, because you're a part of it and you depend on it.'

Sir David Attenborough

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 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.

Within Science, there are two key elements that are taught. The first is scientific knowledge (the topic), and the second is working scientifically. Working scientifically is at the heart of all our Science lessons.

There are five types of scientific enquiry which are taught throughout the curriculum. These are...

- Observing over time
- Pattern seeking
- Classification
- Investigation
- Research

Children are given opportunities to apply their skills and knowledge with practical, real-life experiences. Time and focus is given to children so they may learning correct scientific vocabulary. At Hayes Meadow we also understand the importance of children being given the chance to embed their learning through retrieval tasks, quizzes and building on their prior knowledge.

At Hayes Meadow we also understand the importance of teaching the children about current global issues, the environment and sustainability. We have run the Eco Schools programme successfully, which is now in its third year, gaining our Green Flag award. Children across the school are involved through whole class learning, project work and work completed by an eco-council group.

Children are able to enhance their cultural capital through our links to local sites, for example we take trips out to Fradley Junction to learn with the Canal and River Trust, we have links with South Staffordshire water who visit school and deliver workshops. We also have STEM ambassadors visit us at Hayes Meadow and we take a whole school approach to celebrating British Science Week.