

# Science at Bishops'



## The Vision (Or Intent)

We want every child to have experiences and opportunities in order to **“live fully”**. Science is an engaging subject in which we can all investigate processes and natural phenomena, ask questions, be challenged in our thinking and be amazed by the wonderful world around us. In Science, we want children to be curious about the world around them and so we encourage them to be investigative, to find out how things work and have a thirst for knowledge. As the children progress throughout the school, their skills in Science are refined so that they can ask questions (which can be answered in different ways) observe closely, perform simple tests, identify and classify, and use their observations and ideas to suggest answers to questions. This goes alongside their deepening of Science knowledge according to the units of study. At all times, we focus on the correct use of scientific terminology so that the children can express their ideas clearly.



*‘Live Fully, Laugh Often, Learn Deeply,  
Love as God Loves You ..... and Let Your Light Shine!’*

# How Science is Taught (or Implemented)

At the Bishops', we follow the National Curriculum Programmes of Study. In FS, the classes use the EYFS framework in terms of understanding the world – this prepares the children for *working scientifically* which is a strand going through from Year 1 to Year 6. The children experience units of work in plants, animals, seasonal changes, living things and their habitats, use of everyday materials, rocks, forces and magnets, states of matter, sound, electricity,



properties and changes of materials, earth and space, forces, evolution and inheritance. Science is taught as a weekly lesson, or equivalent time is given to it across a whole unit. Children are given opportunities to reflect and build on previous/prior knowledge through continuous revisiting of knowledge and skills.

Outside of the set Science lessons, the children experience visits from working scientists at local company e2V in Year 5, and regular work with a STEM ambassador for biology topics in Year 6. We also have regular Science weeks, in which the children experience local companies/activities/experiences to widen their scientific knowledge and understanding. The most recent was in June 2022, in which the children had a visit



from Science Boffins who gave us a lively assembly and workshops on earth and space in KS2, plus the wonders of fire in KS1. We also had a successful visit from Lathcoats Farm showing us a selection of unusual mini-beasts (including millipedes, tarantulas and large land snails).

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## What is the impact of all this?

We know that the children have a love of Science at the Bishops' and that some of them will go on to careers in the Science industry. Most children will achieve the expected levels in Science at the end of their year group. Children have a love of Science and enjoy experiencing the world around them. We know that children will be able to question ideas and reflect on their developing knowledge. The children will be able to work collaboratively and practically to investigate and experiment with ideas/key concepts. Our Science curriculum provides the children with the foundations of understanding the world that they can take with them once they complete their primary education.



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