



Oak Hill Church of England

Primary School

'Jesus said, "I have come that you may have life in all its fullness'

(John 10:10)

Faith- Values- Action

Science Curriculum

Intent

At our school our intent for Science is for our children:

- to enjoy science by ensuring that lessons are engaging and fun.
- to ask questions about their world by building on their natural curiosity.
- to develop their scientific knowledge and find answers through theory, first-hand experience and practical investigations.
- to ensure they are equipped with the scientific knowledge required to help take their learning further.
- to have access to the language and vocabulary of science.
- to be courageous and resilient learners

Implementation

Throughout the science scheme, there is complete coverage of all national curriculum programmes of study. Emphasis is placed upon scientific vocabulary as well as scientific investigation and enquiry, including the correct use and care of scientific apparatus.

The sequencing of projects ensures that children have the substantive knowledge and vocabulary to comprehend subsequent projects fully. Each project's place in the year has also been carefully considered. For example, projects that involve growing plants or observing animals are positioned at a suitable time of year to give children the best possible opportunity to make first-hand observations. Within all the science projects, disciplinary knowledge is embedded within substantive content.

In Years 1-6 we operate a two-year cycle.

Children in the foundation stage are taught the science elements as indicated in the statutory framework under the Early Years Goal of the Natural World where they explore the natural world around them, making observations and drawing pictures of animals and plants and understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.

Impact

The impact and measure of this is to ensure children not only acquire the appropriate age-related knowledge linked to the science curriculum, but also skills which equip them to progress from their starting points, and within their everyday lives.

All children will have:

- A wider variety of skills linked to both scientific knowledge and understanding, and scientific enquiry/investigative skills.
- A richer vocabulary which will enable children to articulate their understanding of taught concepts.

- High aspirations, which will see them through to further study, work and a successful adult life.