

‘Shine like stars’ Philippians 2:15

All of our curriculum is designed so all children have the opportunity to grow and develop the gifts that God has given to them and to know their value and worth in His world.

Science Vision Statement

Intent

At **Lowdham CofE Primary**, it is our intention to recognise the importance of Science in every aspect of daily life. The Scientific area of learning is concerned with increasing pupils’ knowledge and understanding of our world, and with developing skills associated with Science as a process of enquiry, and with developing the natural curiosity of the child. We intend to build an inspiring Science curriculum which develops learning and results in the acquisition of knowledge, and enables children to become enquiry based learners.

Implementation

Science at Lowdham Primary follows the National Curriculum objectives and is taught in year group units throughout the year, so that children can achieve depth in their learning. Clear progression will be demonstrated in each strand of Science. We use a clear and comprehensive scheme of work in line with the National Curriculum where teaching and learning plans for practical investigative opportunities within Science lessons. Children will reflect on previous learning and cross curricular links will be made wherever possible. For example, in Year 3, children learn about rocks and soils in science, whilst also learning about volcanoes in geography, and studying *Pebble in My Pocket* in English, and making close observational drawings of fossils in art.

Our students will be able to build on prior knowledge and link ideas together, enabling them to question and become enquiry based learners. Attainment will be assessed each half term through related topic assessment tasks. Children’s work will be recorded in a variety of ways, such as investigation write-ups, creation of posters and short films recorded on iPads.

Where possible, we use our school grounds to enhance learning in a natural environment. We are lucky enough to have a wildlife area which is used in science lessons and forest school activities. Visiting scientists, relevant trips and Science days are planned to enhance what is happening in the classroom.

Impact

The impact of our Science curriculum is that our learners are equipped with the scientific skills and knowledge that will enable them to be ready for the secondary curriculum and for life as an adult in the world outside the classroom. Children will be able to demonstrate their ability to interpret scientific thinking and suggest ways in which they might explore a scientific principle, and will be able to question ideas and reflect on their knowledge, and demonstrate their understanding as they draw conclusions following investigations. The work recorded evidences the broad and balanced science curriculum that we deliver.