

Science

Intent

At St Mary's, 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 problem solving. It will develop the natural curiosity of the child, encourage respect for living organisms and the physical environment and provide opportunities for critical evaluation of evidence. We intend to build a Science curriculum which develops learning and results in the acquisition of knowledge and build a Science curriculum which, enables children to become enquiry based learners.

In St Mary's these aims are achieved through our Threshold Concepts.

- Working scientifically
- Biology
- Chemistry
- Physics

Implementation

We use the National Curriculum to ensure progression across all key stages within the strands of Science and plan practical investigations wherever possible. Pupils build on prior knowledge and link ideas together, enabling them to question and become enquiry based learners. Attainment is assessed each half term through related topic assessment tasks and where applicable links to Science in other areas of learning.

Impact

We aim for most children to achieve age related expectations in Science at the end of their cohort year. Pupils will retain knowledge that is pertinent to Science with a real life context and will be able to question ideas and reflect on knowledge. Pupils will work collaboratively and practically to investigate and experiment and will be able to explain the process they have taken and be able to reason scientifically.