

Science Aims/Intent

At St Mary's we aim:

- To enable our pupils to develop an understanding and respect for the natural world.
- To develop an everyday application of scientific knowledge in the world around us.
- To promote the learning of scientific skills, understanding and vocabulary.
- To develop in our children the ability to communicate scientifically. For them to ask questions, predict, hypothesize, explain and test in a scientific way.
- To promote confidence in the safe use of appropriate scientific equipment.
- To help pupils develop, model and evaluate explanations through scientific methods of collecting evidence using critical and create thought.
- To allow pupils to carry out a full scientific investigation when the topic allows.
- To promote a positive image of science, scientists and theories and discuss where relevant up to date scientific issues and debates.
- To broaden children's inquiring abilities and nurture the awe and wonder that children have about how the world works.
- To provide equality of access for all our children to the current National Curriculum for Science.

Working scientifically is inextricably linked to all learning in Science. This objective embeds the knowledge of biology, chemistry and physics, focussing on the key features of scientific enquiry:

- Observing over time
- Pattern Seeking
- Identifying, classifying and grouping
- Comparative and fair testing (controlled investigations)