



Science Curriculum Statement

Intent:

Our vision in science is to encourage curiosity in children so that they ask questions that fuel explorations and investigations about the universe we live in. Throughout the school science is a practical, interactive, hands on subject that develops the skills and processes of scientific enquiry, as well as understanding about the concepts being explored. The children systematically build a bank of scientific vocabulary which supports their acquisition of scientific knowledge and enables them to effectively describe and explain the concepts they are learning about.

Implementation:

At Mytchett Primary School we teach science through our topic based curriculum which allows the children to make links between science and the other subjects they are studying. Science is taught using an enquiry approach and the children are encouraged (in all key stages) to pose and investigate their own scientific questions.

In Reception we ask the children what they want to find out then give them the resources to try and find out the answers through exploration and investigation. In Key Stage 1 the topics are used to generate scientific questions and investigation. The children are encouraged to answer these in different ways by:

- Observing closely, using simple equipment
- Performing simple tests
- Identifying and classifying
- Using their observations and ideas to suggest answers to questions
- Gathering and recording data to help in answering questions.

In Key Stage 2 the children's scientific knowledge of the world is deepened further by exploring, talking about, testing and developing ideas about everyday phenomena and the relationships between living things and familiar environments. They also start conducting scientific enquiries by observing changes over time, noticing patterns, grouping and classifying things and carrying out simple comparative and fair tests.

Impact:

Our science curriculum ensures that children...

- develop a deep and lasting interest in science and are motivated to study it further
- are prepared for life in an increasingly scientific and technological world
- show concern about, and appreciate, our environment
- apply scientific vocabulary to describe and explain the world around them
- are able to make links to the broader curriculum and their life experience
- are confident to lead their own learning, carrying out and planning investigations to provide answers to their own questions.