

# Science - Subject on a Page



SOUTHMINSTER  
SCHOOL  
C OF E PRIMARY SCHOOL

## Impact – So what?

Children talk confidently about their learning in science using appropriate and technical vocabulary.

Children make links between science and the Christian values of our school.

## Implementation – How?

Follow a clearly sequenced and progressive program of study based on the National Curriculum enabling children to build on prior learning.

High quality teaching that is appropriately pitched to individual children.

Science and scientific discovery are valued and links are made with children's personal experiences.

## Intent – Why?

Children encouraged to ask questions and follow a line of enquiry.

- Provide the opportunity for all children to have the skills required to be a scientist and to work scientifically.
- Encourage children to develop a curiosity and interest in science – practically through links to forest schools.
- Allow children to critically engage with science, providing opportunities to think independently, question, investigate and discover.
- Allow children to develop their skills in problem solving.
- Enable children to find links between scientific technologies.
- Enable children to understand the history of science and the impact of scientists and their scientific discoveries on our world.
- Widen children's knowledge and use of scientific vocabulary.
- Enable children to develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- Equip children with the scientific Knowledge required to understand the uses and implications of science, today and for the future.
- Enable children to develop an understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them.

Science is taught as a discrete subject within themes in order to enable children to make connections within the wider world and other subjects.

Children are supported to retain key facts, skills and understanding and apply these when presented with something new.

Children demonstrate a love or appreciation of science and talk confidently about a range of scientists and scientific discoveries.

Children are prepared for the next stage of their scientific learning.

Children confidently apply their scientific knowledge to other areas of learning as well as to the world around them.

Children develop a range of scientific skills: think independently, raise questions about working scientifically, carry out scientific investigations, use written and verbal explanations, solve challenging problems, report scientific findings, undertake practical work, find links between scientific technologies, use scientific vocabulary.

Quality first teaching for mastery in science enabling all children to access key learning.

Read, spell and pronounce scientific vocabulary accurately.

Enrichment opportunities such as visitors to school who demonstrate scientific concepts through motivating activities.

Building cultural capital of all individuals through visits to places of scientific interest and discovery

Succinct assessment based on agreed Key Learning Objectives consistently used throughout the school combining knowledge and understanding and the development of key skills.

Children read, spell and pronounce scientific vocabulary accurately.

Children understand the history of scientific discovery and significant scientists, and how they have made an impact on our world.

Outcomes at the end of each Key Stage are in line or above National statistics and progress in science is evident.