



**ST PETER'S
CHURCH of ENGLAND
PRIMARY SCHOOL**

Science Policy

Date of policy - June 2018

Christian Vision

As a Christian family at St Peter's School, we create a unique place of learning, nurturing the gifts that God in his awesomeness has given us. We encourage every child and prepare them for life's journey, inspiring them to fulfil their potential, their dreams and their aspirations.

Sowing the seeds of tomorrow

Matthew 13:1-23

Science teaches the understanding of natural phenomena. It stimulates a child's curiosity to find out why things happen in the way that they do. It teaches methods of enquiry and investigation to stimulate creative thought. Children learn to ask scientific questions and begin to appreciate the way science will affect their future on a personal, national and global level.

Aims

At St Peter's CE Primary School science is taught as a discrete subject.

We aim to ensure that all pupils:

- Ask and answer scientific questions
- Plan and carry out scientific investigations (fair tests), using equipment, including computers
- Know and understand the life processes of living things
- Know and understand the physical processes of materials, electricity, light, sound and natural forces
- Know about the nature of the solar system, including the earth;
- Evaluate evidence and present conclusions clearly and accurately.

Teaching and learning

In KS1 and KS2 science is taught in line with National Curriculum requirements over a two year cycle. This ensures progression between year groups and guarantees that there is no repetition of content being taught. Teachers are expected to adapt and modify the plans to suit their children's interests, current events, their own teaching style, the use of any support staff and the resources available.

We use a variety of teaching and learning methods with an emphasis on first-hand, practical activities. Children work individually, in groups or as a whole class as appropriate. We encourage children to ask, as well as answer, scientific questions. They are provided with the opportunity to use a variety of data including statistics, graphs, pictures and photography. Children are also encouraged to use ICT in science lessons where it enhances their learning. They engage in a wide variety of practical enquiries that involve the children making predictions followed by fair testing a variety of scientific questions and reporting on their findings after analysing the results.

Science in EYFS

Play underpins the delivery of all the EYFS. Within a secure and challenging environment with effective support, children can explore, develop and experiment as they play to help them make sense of the world. The EYFS strand 'Understanding the World' leads directly to scientific elements of the curriculum, which then leads to more formalized science learning in KS1 and KS2.

Assessment and recording in science

We assess children's work in science using the assessment procedures as identified in our assessment and monitoring policies. Informal judgments are made as we observe children during lessons. On completion of a piece of work, the teacher marks the work and comments as necessary. At the end of each unit of study taught teachers make a summary judgment about the work of each pupil in relation to the National Curriculum level of attainment. These are then recorded on Target Tracker. The data is used as the basis for assessing the attainment and progress of each child throughout the school.

Teachers use the Interim Assessment Framework to determine whether children have met the expected standard at the end of year 2 and 6.

Monitoring and Review

The science lead will use a variety of monitoring strategies including: termly learning walks, planning and book scrutiny, discussion with children, observation of learning environments and displays.

Leadership and Management

The science lead is responsible for ensuring that the aims of the science policy are met. In addition to this they should:

- Be enthusiastic about science and demonstrate good practise
- Encourage and support staff in the implementation of the curriculum and school approaches to science teaching
- Co-ordinate assessment procedures to ensure progression and development throughout the school
- Monitor the teaching and learning of science throughout the school
- Attend SIG group meetings and CPD as appropriate
- Manage a budget

Resources

There are a wide range of resources to support the teaching of all of the science units across the school. We keep most of our equipment in a central store where there is a box of equipment for each area of study. The library contains a good supply of science topic books and a bank of laptops are available to support children's individual research via the internet.

Health and Safety

All staff will be aware of the importance of following the strict Health and Safety guidelines. At St Peter's we follow ASE 'Be Safe' This document is kept with the science resources.

Signed -

Date - June 2018

Policy review date - June 2021