



Sheldwich Primary School

Science Policy

Rationale

Science is a systematic investigation of the physical, chemical and biological aspects of the world which relies on first hand experiences and on other sources of information. The scientific process and pupils' problem solving activities will be used to deepen their understanding of the concepts involved. The main aspects of science to be studied will be determined by the programmes of study of the National Curriculum and the Kent Primary Science Scheme of Work.

Aims

- to develop pupils' enjoyment and interest in science and an appreciation of its contribution to all aspects of everyday life
- to build on pupils' curiosity and sense of awe of the natural world
- to use a planned range of investigations and practical activities to give pupils a greater understanding of the concepts and knowledge of science
- to introduce pupils to the language and vocabulary of science
- to develop pupils' basic practical skills and their ability to make accurate and appropriate measurements

Objectives

- To develop skills, knowledge and understanding through focussed exploration and investigation in familiar contexts.
- To encourage creativity, imagination and a way of thinking that can lead to new ideas, solutions and the development of new products.
- To develop an awareness of the relevance of Science to personal health and the local environment, with an understanding that living things need to be treated with care and sensitivity.
- To develop the ability to record results in an appropriate manner including the use of diagrams, graphs, table and charts.
- To introduce children to the language and vocabulary of science
- To provide opportunities for reflection leading to conclusions, predictions and further planning
- To foster open mindedness, perseverance, inventiveness and co-operation
- To provide broad and relevant activities that will appeal to children of all backgrounds.

Activities

Lesson planning will provide opportunities for,

- interaction with other curriculum areas
- building on previous knowledge and ideas
- practical investigations recorded in a systematic way
- activities to develop good observational and measurement skills
- the application of scientific ideas to real life problems, everyday experience and the immediate environment

- the promotion of all aspects of health and safety
- children to develop at a pace suitable for their abilities and level of understanding
- developing scientific concepts
- learning appropriate scientific vocabulary
- presentation of results and conclusions to others

Monitoring and Assessment

Assessment will be ongoing through a) teachers marking each lesson (according to the Marking Policy) and b) teacher assessment (according to the Assessment policy). The Science co-ordinator will monitor the teacher assessment regularly.

Health and Safety

This will be guided by the Health and Safety Policy.

This policy has been reviewed in line with the Single Equality Scheme and does not have a negative impact on one or more of the dimensions of equality.

Reviewed by AM: September 2023

To be reviewed: September 2025

(unless there is any change in the curriculum, in which case the policy will be reviewed in line with changes)