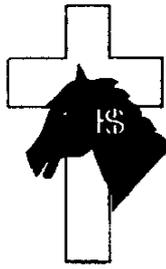


# HORSINGTON CHURCH OF ENGLAND PRIMARY SCHOOL



## SCIENCE POLICY

### RATIONALE

The study of Science provides children with the skills, attitudes and knowledge to help them make sense of the world around them.

### AIMS

We aim to:

1. Teach children scientific skills;
2. Foster a positive attitude and an inquisitive approach;
3. Develop scientific knowledge.

### OBJECTIVES

**AIM 1:** teach children scientific skills.

- a. To:
  - question;
  - predict;
  - plan;
  - investigate;
  - experiment;
  - observe;
  - record;
  - conclude;
  - extrapolate.
- b. To promote safe practice.
- c. To develop scientific language.

**AIM 2:** foster a positive attitude and an inquisitive approach.

- a. To provide avenues of enquiry.
- b. To encourage each child to view him/herself as a scientist.
- c. To teach the correct use of and respect for scientific equipment.

AIM 3: develop scientific knowledge.

- a. To provide a broad and balanced science curriculum.
- b. To develop knowledge through first hand experience.

## **PRINCIPLES OF TEACHING AND LEARNING.**

**APPROPRIATE CHALLENGE:** We aim to use appropriate challenge in Science by task, support (resources and human), and outcome. We shall consider the appropriateness of resources, flexibility in methods of recording; time allowed for completing work and consolidating concepts and skills.

**BREADTH AND BALANCE:** We aim to provide a broad and balanced Science curriculum. Scientific enquiry will be taught through the other skills areas. Content will be selected to ensure children get the required balance of knowledge, understanding, attitudes and skills.

**RANGE AND VARIETY:** Children will be involved in a range and variety of learning situations. These will include:

- activities to develop good observational skills;
- basic skills practice;
- structured activities to develop understanding of a concept;
- open-ended investigations.

**RELEVANCE:** Wherever possible, scientific work will be set in the context of the world around them.

**CROSS CURRICULAR SKILLS AND THEMES:** Each child will be encouraged to see her/himself as a Scientist, as detailed in Aim 2 Objective (b), and skills learnt in Science will be valued and used in other subjects. Some of the P.S.H.E. and Citizenship curriculum will be covered through Science work.

**CONTINUITY AND PROGRESSION:** The Skills Based Curriculum provides a framework for continuity and progression.

**CURRICULUM DESIGN:** Please refer to the Chris Quigley online site -  
[www.essentials.uk.com](http://www.essentials.uk.com)

## **ASSESSMENT, RECORDING AND REPORTING**

Each teacher identifies opportunities for assessment (teacher and self assessment) in the medium and short term plans.

The Skills Based Curriculum recording grid is kept up to date by the teacher and passed on with the child in the year group folder.

A comment on the child's progress in science is made in the Annual Report.

A whole school portfolio of moderated work is kept centrally.

## **EQUAL OPPORTUNITIES**

Teachers are mindful of equal opportunities when approaching scientific activities, e.g. roles within groups.

## **INFORMATION COMMUNICATION TECHNOLOGY**

We use I.C.T. to enhance the scientific experiences of the children. Where appropriate, software with a scientific content may be used. Pupils will also be able to make use of data bases to record or access information.

## **CONCLUSION**

This policy is written in accordance with the Aims of the School and has been agreed by all members of staff. It forms one part of the Curricular Policies of the school and should be read alongside other relevant policy statements. It will be reviewed at regular intervals.

Summer Term 1993

Revised: Summer Term 1996

Reviewed: October 2000

Reviewed: November 2001

Reviewed: June 2007

Reviewed: November 2009

Reviewed: May 2010

Reviewed: July 2014

## **APPENDIX ONE**

### **RESOURCES**

The Science resources are kept in Fire Class stockroom. It is important that the children have access to a range of resources, and are aware of the variety of equipment from which to select, when completing practical work.