

SCIENCE POLICY

Rationale:

Science is a continuous process by which individuals and groups develop an understanding of the physical and biological aspects of the world.

The distinctive nature of science is that it relies more heavily on certain skills than do other areas of human enquiry.

Making and testing of hypotheses by observation and experimentation are especially characteristic of science.

Aims & Objectives:

- ◆ to develop scientific strategies and skills
- ◆ to develop attitudes appropriate for working scientifically
- ◆ to develop scientific concepts through a process of enquiry and experiment
- ◆ to apply new and previously learnt scientific ideas to real life
- ◆ to work co-operatively and communicate scientific ideas to others
- ◆ to provide opportunities for pupils to plan and organise their own simple investigational work
- ◆ to use simple and safe equipment and materials
- ◆ through structured and purposeful activities, pupils will develop the following qualities:
 - respect for evidence
 - the ability to discuss and to explain their scientific ideas
 - critical reflection
 - the need for a fair test
 - open mindedness
 - sensitivity to the living and non-living environment
 - a quest for knowledge

Organisation:

The Science scheme of work takes into account the National Curriculum requirements.

A variety of scientific equipment is available for KS1 and KS2 in the school. This is stored centrally in the Technology Room. All equipment is clearly labelled.

All Health and Safety issues are seen as a priority and are addressed by both staff and pupils.

Assessment:

Recording of pupils' findings will be done in a variety of ways, depending on age and ability, to include the following:

- oral verbalisations
- written
- pictorial/diagrammatic
- graphical
- 2D/3D models
- using and applying scientific data
- using sensors with I.C.T. support

Assessment will be carried out taking these different forms into account. Evidence of progress and attainment will be shown through :

- questioning and listening to pupils.
- observing pupils at work individually and within groups.
- assessing recorded work produced.
- setting assessment tasks.

All Y1 pupils upwards have Science targets for their year group. Teaching staff record pupils' progress against these targets.

Initial date of policy: June 1995
Policy last reviewed: July 2018

It is the intention to review this policy annually.