"Love God Love Learning Love Life"

Science Policy Statement
'Whoever heeds instruction is on the path to life'
(Proverbs 10:17)

A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

AIMS
All children will be given the opportunity to:

- develop the enquiry and communication skills characteristic of science
- acquire a body of scientific knowledge and understanding
- be aware that scientific explanations change through time and that the nature and uses to which they are put are affected by the social, moral and cultural context in which they are developed
- recognise the significance and limitations of their investigations
- speculate freely and creatively on the nature of phenomena and objects through individual and group work
- develop attitudes of self-discipline, self-reliance and independence

OBJECTIVES
Children should be able to show that they have:

- an interest and motivation in science
- the ability to acquire and communicate scientific knowledge and understanding
- the ability to work individually and as a member of a group/pair to plan, obtain and consider evidence when investigating
- the ability to investigate, using equipment safely
- the ability to use scientific vocabulary
- the ability to evaluate their work and the work of others
- a respect for living things and the environment

TEACHING METHODS AND APPROACHES
The Statutory National Curriculum 2014 for Science (Key Stages 1 & 2) and the Early Years Foundation Stage (YR) Programmes of Study provide the basis for what is taught in Science.

There are two main sections:

1. Working Scientifically
2. Knowledge and understanding

   This is broken down further into topic based statutory requirements for each year groups

In science, the emphasis is on practical based scientific enquiry, building on children's existing knowledge and understanding. Adhering to the scheme of work ensures the continuity, progression and the rotation of teaching units necessary in mixed age classes. Opportunities for open ended investigations enable children to build on their existing concepts, while at the same time providing differentiation through activity and outcome.

Reviewed 2021

Signed *Jonathan Brough* Headteacher

Signed *Anson Crouch* on behalf of the Governing Body.