



## **Curriculum Statement for Science**

### **Intent:**

Science teaching at Cutthorpe Primary School aims to give children a strong understanding of the world around them through the disciplines of Biology, Chemistry and Physics. Children develop scientific knowledge and gain an understanding of scientific processes and methods through different types of scientific enquiries and by asking scientific questions. They are also equipped with the scientific knowledge to understand the uses and implications of science, today and for the future. Scientific enquiry skills are embedded in each unit of work and topics are revisited and developed to ensure progression throughout the curriculum. All children are encouraged to develop a range of enquiry skills including asking questions, observations, identifying and classifying, carrying out tests as well as gathering, recording and interpreting data.

### **Implementation:**

Planning for science is a process in which all teachers are involved to ensure that the school has full coverage of The National Curriculum programmes of study for Science 2014 and 'Understanding of the World', 'Physical Development' as well as 'Communication and language' in the EYFS. At Cutthorpe Primary School the curriculum is adapted to enable all pupils to learn effectively. Science is taught in discrete lessons each week and units are taught in a two year rolling programme. The KS1 and KS2 Science overview ensures there is progression between year groups and that all units are covered.

We ensure that all children are provided with rich learning experiences that aim to:

- Prepare our children for life in an increasingly scientific and technological world today and in the future.
- Help our children acquire a growing understanding of the nature, processes and methods of scientific ideas.
- Help develop and extend our children's scientific concept of the World.
- Build on our children's curiosity and developing a scientific approach to problems.
- Encouraging open-mindedness, self assessment, perseverance and developing the skills of observing, measuring, predicting, hypothesising, experimenting, communicating, interpreting, explaining and evaluating.
- Develop the use of scientific language, recording and techniques.

- Develop the use of computing in investigating and recording.
- Make links between science and other subjects.

**Impact:**

At Cutthorpe Primary School within the Science curriculum there is a clear progression of children's work as well as teacher's expectations. Children enjoy and are enthusiastic about Science. They are becoming increasingly independent in Science, developing their own questions and investigations as well as strategies for recording their results. Monitoring has shown that both written and oral feedback from teachers has impact on our children's learning. Standards in Science in each year group are monitored and analysed. A written analysis is shared with the Head teacher and Governing Body and issues arising are discussed and addressed within the Science action plan. Each year the Governor responsible for science also takes part in monitoring alongside the subject coordinator.