

**Thackley Primary School**  
**Science Policy**

**Rationale:**

Science education provides the foundations for a successful and technological society. Pupils must not only acquire science knowledge, but also understand its value, enjoy the experience of working scientifically, and sustain their interest in learning it. Through using the Early Years Curriculum and the National Curriculum in Key Stage One and Two, the school aims to fully develop each child's potential and stimulate curiosity and excitement in the subject.

**Aims:**

In science we aim to ensure that all pupils:

- develop scientific knowledge and understanding through the specific disciplines of biology, chemistry and physics.
- participate in different types of science enquiries that help them to answer questions about the world around them
- are equipped with scientific knowledge required to understand the uses and implications of science, today and for the future.

**Our Teaching Aims:**

Our aim is to teach science in ways that are imaginative, purposeful, well managed and enjoyable, making links between science, other subjects and the wider world around us. We will ensure this by:

- Following the Programmes of Study as outlined in the National Curriculum.
- Ensuring 'Working Scientifically' is integral within the content of biology, chemistry and physics.
- Ensuring a secure understanding of the Programmes of Study for science set out year-by-year for Key Stages 1 and 2.

At Thackley Primary School children in the Foundation Stage are given the opportunity to develop scientific skills through the 'Understanding the World' strand in the Early Years Curriculum.

**Assessment/ Recording and Reporting:**

Teacher assessment is a continuous formative process used to inform and develop our teaching. Assessment of science at Thackley is carried out in the following ways:

- Topics may begin with an assessment of what children already know and what they would like to learn more about.
- Observation and questioning of individuals or groups of children.
- Written tests.
- Using the Early Years Curriculum and the relevant Programmes of Study for each year group as the benchmark against which assessments will be made.

**Monitoring:**

The monitoring of the standards of children's work, quality of teaching and planning in science is the responsibility of the science subject leader. S/he will monitor short term planning throughout

the school to ensure continuity, coverage and progression. This will also include viewing displays, children's work and the use of resources. Examples of work and evidence of practical work will be collected. The science subject leader is also responsible for supporting colleagues in the teaching of science and keeping them informed about current developments in the subject. The science subject leader conducts monitoring which indicates strengths and areas to develop within the subject and recommendations for the future.

#### **Inclusion:**

At Thackley, we teach science to all children, whatever their ability and a positive use of technology is promoted for all. Children's individual needs will be addressed through questioning, provision of resources and learning styles to ensure all children make progress.

- Pupils with special educational needs will be identified in planning. Consideration will be given to modifying tasks, or providing peer or adult support for children with difficulties.
- We aim to provide a challenging curriculum for all our children. The needs of all children should be identified in planning and appropriate tasks to extend the breadth and depth of science provided.

#### **Health and Safety:**

The general teaching requirement for health and safety applies in this subject. Teachers have a duty to introduce pupils to a variety of scientific equipment and tools. Pupils must plan investigations considering health and safety issues and operate in a safe manner.

**Miss J Illingworth: Science Subject Leader**

Agreed by the Governing Body - May 2016

Signed -

Dated -

To be reviewed - May 2019