



SCIENCE POLICY

1. **Introduction**

We believe science at Manor Farm Infants is about encouraging and developing children's natural wonderment and curiosity in understanding themselves and the world around them. At Manor Farm Infants we are using innovative, memorable stimuli to create excitement, enthusiasm and enjoyment in the children's experience of science.

2. **Aims and Objectives**

Science at Manor Farm Infants aims to enable children to:

- be observant, curious and caring about our environment;
- work individually and cooperatively, listening to, and valuing, the opinions of others;
- relate science to everyday life and appreciate its contribution both in the present, and historically, to our society and other cultures;
- can observe, question, hypothesise, plan, measure, construct a fair test, evaluate and communicate conclusions;
- begin to know and understand the life processes and living things;
- begin to know and understand materials and their properties;
- begin to know and understand physical processes.

3. **Science Coordinator's Role**

- Be responsible for the development of science in the school.
- Monitor the effectiveness of science in school.
- Support teachers in their planning and strategies for classroom managements.
- Provide or organise staff training.
- Responsible for providing appropriate resources and monitoring the condition of current resources in school.

4. **Pupil Entitlement**

Planning for continuity and progression is an important consideration in the school's long term planning. For children aged 4-5 years science is covered in the Foundation Stage. The Foundation Curriculum is sub-divided into Early Learning Goals. 'Understanding the World' includes scientific aspects essential for teaching and learning. Objectives underpin and support concepts to be taught in Key Stage One. Key Stage One includes pupils aged 5-7 years. We are well resourced to support the learning in EYFS and KS1.

5. **Scheme of Work**

Science is taught from three areas of learning in the Early Years; 'Understanding the World', 'Personal, Social and Emotional' and 'Communication and Language' within the new EYFS

Statutory Framework. Children are provided with a rich play-based environment where they engage in a wide range of activities to investigate and explore.

In KS1 we follow the PlanBee scheme for Science. The National Curriculum 2014 forms the basis of this scheme. The scheme is enhanced by teachers where necessary to meet the various needs of the children within their classes.

6. Health and Safety

Health and Safety is an integral part of the Scheme of Work in Science. Many practical scientific activities use equipment, animals, plants or chemicals that need to be handled correctly. Teachers adhere to the guidance offered to schools by the Buckinghamshire Advisory Scheme to maintain safe practices and a safe environment for learning in Science.

Reviewed October 2024