



Manor Farm Infant School - Curriculum Science

Science INTENT

At Manor Farm Infant School we believe science is about encouraging and developing children's natural curiosity in understanding themselves and the world around them.

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.

Science IMPLEMENTATION

EYFS

In the EYFS children are provided with rich play-based opportunities both indoors and outdoors to experience and explore science.

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.

Key Stage 1

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.

Science IMPACT

The impact of teaching will be determined through subject monitoring and sampling of learning that is completed. Children will have the opportunity to talk about their experience of science in school.

By the end of each school year, children will have a comprehensive understanding of the science curriculum and a positive outlook on their learning journey through Manor Farm Infants. They will be able to discuss their findings using the key vocabulary, referring to their work. Children will have developed their analytical and questioning skills. They will be given the opportunity to call on prior learning to propel their understanding of science.

Meeting the needs of our disadvantaged children, including Children Looked After, those eligible for Pupil Premium funding and those with SEND.

We know that in science there are pupils who may find other curriculum areas challenging who excel in these lessons. Children with an interest in general knowledge and the world around them are encouraged to be independent in their learning and to have a thirst to do well. New knowledge is broken into meaningful components and introduced sequentially. This supports all children in learning scientific concepts. Children will work in groups to explore ideas and complete practical experiments to support their multiple learning styles.