



Westmoor Primary School

Science Curriculum

Our science curriculum develops pupils' curiosity, fascination, respect and understanding of the world : its living organisms ; its materials and reactions ; its physical phenomena and processes – both globally and within the Westmoor locality.

Intent

Our children will:

- Develop a sound understanding of the substantive knowledge of the National Curriculum and Educational Programmes for science for their age group.
- Develop proficiency and understanding of relevant disciplinary knowledge, appropriate for their age
- Develop a methodical approach, systematic working practices and critical thinking skills
- Appreciate the role of science in everyday life and develop knowledge of careers involving science

Implementation

Teachers will:

- Plan directly from the National Curriculum (Y1-6), and the Educational Programmes (N-Rec) meeting the needs of all pupils including those with SEND.
- Deliver well- paced, engaging lessons through Quality First Teaching.
- Develop deep subject knowledge
- Excite and intrigue our children to find out more about the world around them.
- Promote in students an enquiring attitude to science
- Use a range of formative and summative assessment approaches to ensure all pupils make progress.

Impact

The impact of a clear and consistent approach to the teaching of science is:

- Pupils will have a clear understanding of the guiding principles of science, the major areas of study within science, the systems and practices of scientific enquiry and appropriate methods to communicate scientific information.
- Children will learn scientific vocabulary and talk enthusiastically about science, showing a genuine curiosity and interest in the world around them.
- Children will be equipped with suitable scientific disciplinary and substantive knowledge to prepare them for the next stage of their education and a technological future without limits.
- Children will be able to work independently and collaboratively in order to further their understanding of science