



Curriculum Statement for Science

<p>Intent</p>	<p>At Eastcombe Primary School, we recognise the importance of science in every aspect of daily life. The scientific area of learning is concerned with increasing pupils' knowledge and understanding of our world, and with developing skills associated with science as a process of enquiry. It will develop the natural curiosity of the child, encourage respect for living organisms and the physical environment and provide opportunities for critical evaluation of evidence.</p> <p>In conjunction with the aims of the national curriculum, our science teaching offers opportunities for children to:</p> <ul style="list-style-type: none"> • develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics; • develop understanding of the nature, processes and methods of science through different types of scientific enquiries that help them to answer scientific questions about the world around them; • be equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future. • develop the essential scientific enquiry skills to deepen their scientific knowledge. • use a range of methods to communicate their scientific information and present it in a systematic, cross-curricular manner, including ICT, diagrams, graphs and charts and a variety of written text types. • develop a respect for the materials and equipment they handle with regard to their own, and other children's safety. • develop an enthusiasm and enjoyment of scientific learning and discovery. • understand and use appropriate topic vocabulary <p>The National Curriculum will provide a structure and skill development for the science curriculum being taught throughout the school. In key stages one and two, children focus on a different science topic in a six-week block - this allows the children to have a comprehensive and immersive learning experience. In the early years, science is taught through the children learning about the world around them in their learning through play. We endeavour to ensure that the science curriculum we provide will give children the confidence and motivation to continue to further develop their skills into the next stage of their education and life experiences.</p>			
<p>Implementation</p>	<p>Through trips and visits, children will be given the opportunity to develop their skills and knowledge beyond the classroom.</p>	<p>Practical elements to our science lessons, to ensure that children are engaged and enthused during their science learning.</p>	<p>Pupils will understand and use appropriate topic vocabulary.</p>	<p>Children are able to share and explain their findings, using a variety of techniques and methods.</p>

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Impact	At the end of each year, pupils will have a comprehensive understanding of the science curriculum and a positive outlook on their learning journey. They will be able to discuss their findings using key vocabulary and references from their completed work. Children will have covered the five areas of scientific enquiry (fair testing, research, observation over time, pattern seeking, classifying and problem solving), developing their analytical and questioning skills along the way. Also, the children will have consolidated learning from other curricular areas due to the creative recording of data using a variety resources and methods.		
	PUPIL VOICE Through discussion and feedback, children talk enthusiastically about their Science lessons and show a genuine curiosity and interest in the areas they have explored.	EVIDENCE IN KNOWLEDGE Pupils can call on their prior learning to propel their understanding of Science. They can verbally explain their learning clearly using key vocabulary.	EVIDENCE IN SKILLS Pupils use acquired vocabulary to interpret and convey their understanding of the subject. They are able to record data in a variety of ways and can prove or disprove a hypothesis in a fair and safe manner.