

Intent	Implementation	Impact
<p>To encourage pupil's engagement in Science through regular visits, workshops and trips. To explore science in real life contexts as much as possible as well as studying abstract scientific terms.</p>	<p>Visitors and educational trips to provide first-hand experiences for the children to support and develop their learning. We recognise that to have impact the planned cultural capital must be clearly linked to the statutory scientific knowledge to be acquired and provide the opportunity for children to better understand the knowledge or apply what they already know.</p> <p>The promotion of a language-rich Science curriculum is essential to the successful acquisition of knowledge and understanding in Science. The promotion and use of an accurate and rich Scientific vocabulary is evident throughout school, in topic covers, display boards and lesson planning.</p>	<p>Children will know more, remember more and understand more about Science.</p> <p>Children will achieve age related expectations in Science at the end of their cohort year.</p> <p>Children will retain knowledge that is pertinent to Science with a real life context.</p>
<p>To build a Science curriculum which develops learning and results in the acquisition of knowledge</p>	<p>Our curriculum illustrates a clear and robust progression of skills that is in place from EYFS through to the end of KS2, where teachers will build on prior understanding as they develop these skills throughout the pupils' time at the school ensuring that they are secondary ready by the time they leave Year 6.</p> <p>Science is made cross curricular.</p>	<p>Children will achieve age related expectations in Science at the end of their cohort year.</p> <p>Children will know more, remember more and understand more about Science.</p>

<p>To give pupils the opportunity to learn both independently and collaboratively, developing their skills of communication, teamwork and perseverance. To value and encourage children's ability to plan, create and adapt in relation to scientific enquiry.</p>	<p>Knowledge Organisers Children have access to key scientific knowledge, language and meanings to guide them through each topic. Knowledge is broken down into small sections and is available at the beginning of each topic and referred to at the beginning of each lesson</p> <p>Science Focused Learning Walls Science Working Walls in each classroom focus on the topic being studied that term. They exemplify the terminology used throughout the teaching of Science.</p> <p>Research: On occasions, children will be asked to research and investigate scientific aspects of their learning independently. This allows the children to have ownership over their curriculum and lead their own learning in science.</p>	<p>Children will practice and improve problem solving skills, becoming more creative in their thinking.</p> <p>Children will know more, remember more and understand more about Science.</p> <p>Children will achieve age related expectations in Science at the end of their cohort year.</p>
<p>Allow pupils to experience Science through practical engagement. Encouraging hands on investigation wherever possible, led by the children and guided by teachers. Combine this with the use of appropriate resources to challenge and promote investigative thinking.</p>	<p>Children will access resources to acquire learning through Science equipment, digital technology, practical experiences and school enhancement experiences.</p> <p>Children will use a range of secondary resources to develop their knowledge.</p>	<p>Children will achieve age related expectations in Science at the end of their cohort year.</p> <p>Children will retain knowledge that is pertinent to Science with a real life context.</p> <p>Children will be able to question ideas and reflect on knowledge.</p> <p>Children will know more, remember more and understand more about Science.</p>
<p>Preserve curiosity, encouraging pupils to build on their natural desire to understand the world around them.</p>	<p>Use child initiated investigation to encourage and excite children about Science.</p>	<p>Children will work collaboratively and practically to investigate and experiment.</p> <p>Children will practice and improve problem solving skills, becoming more creative in their thinking.</p> <p>Children will know more, remember more and understand more about Science.</p>

<p>Inspire pupils to learn through exploration and questioning. Pupils will be actively engaged in scientific enquiry, making decisions, asking and answering their own questions and able to evaluate their results</p>	<p>Enhancement: plan at least two hands on investigations every term. Use online visual aids to support concepts that cannot be experienced first-hand. All learning is contextualised and made relevant to real life situations to ensure maximum knowledge is retained knowledge and understanding that is integral to their learning.</p>	<p>Children will know more, remember more and understand more about Science.</p> <p>Children will work collaboratively and practically to investigate and experiment.</p> <p>Children will be able to explain the process they have taken and be able to reason scientifically.</p> <p>Children will practice and improve problem solving skills, becoming more creative in their thinking.</p>
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