

Whole School Curriculum Vision in Science



To be effective communicators	Children will use their scientific skills to communicate effectively both orally and written, using appropriate key vocabulary for the topic being taught. We introduce them to a wide range of technical vocabulary, which will be beneficial to their needs, through school and into the wider world. During our science sessions, the children will complete activities that will promote their use of key vocabulary, through various scientific concepts and will be able to record their hypothesis, predictions and conclusions appropriately in written and pictorial form.
To have high ambition	Our curriculum promotes science in a fun and engaging way by asking children to investigate various scientific concepts. It provides children with an insight into current and past scientific figures who used their ambition to make a difference and how these discoveries went on to influence many people's lives. By offering a broad range of experiences, relevant to the children, we will create an atmosphere of curiosity and provide the children with an ambition to want to investigate further scientific achievements and prominent people who have had, and continue to have, such an impact on our world and beyond.
To be resilient	We have designed our science curriculum to provide the children with the opportunity to consider the different challenges and problems that other scientists have overcome and demonstrate to the pupils how resilience can assist in making great discoveries. The children are encouraged to build on previous knowledge and skills to assist them in solving problems that arise during various investigations, and how this can influence the future, in order to build the resilience they will need in both further education and the wider world. We also hope to inspire the children to engage in the world around them and consider how they can make a difference.
Key Concepts	End points
Work scientifically	By the end of Year 6, children will have developed a fluent understanding of the fundamentals of science. They will use key vocabulary with fluency, and discuss various areas of science with competency. Children will have become more resilient in their approach to leading fair investigations and considering how people have used these to overcome issues for the benefit of others and the world. We endeavour to inspire the children to fulfil their career ambitions in science with confidence. Our main aim is that we want our Year 6 children to leave with a good grasp of scientific understanding and the importance of reliable and valid results of good research that will continue into secondary school and beyond. We endeavour to inspire the children to consider how their actions can have an impact on the world and what they can do in the future to help others and the world around them.
Understand plants	
Understand animals and humans	
Investigate living things	
Understand evolution and inheritance	
Investigate materials	
Rocks and Soils	
States of Matter	
Understand movement, forces and magnets	
Magnets	
Forces	
Understand light and seeing	
Investigate sound and hearing	
Understand electrical circuits	
Understand the Earth's movement in space	