

Science intent

Learning to learn	Humans are inquisitive creatures that question their experiences and develop ideas about the world around them. Science at Woodlands aims to build upon these natural tendencies by teaching children that the scientific method provides an effective way of acquiring knowledge. Pupils at Woodlands will learn how to approach problems in an empirical and questioning way, using deduction and induction to formulate and test hypotheses. Learning about the foundations of the scientific method will enhance a pupil's excitement and curiosity and help them to see that a rational and scientific approach to the changing world around us will continue to enhance their lives.
Integration and application	Science teaching needs to cover the key foundational knowledge of science. Pupils at Woodlands will learn important concepts in both discreet science lessons and through study of wider topics, allowing them to focus on concepts in depth while still having opportunities to apply their knowledge in a broader context. It is vital that science teaching covers skills in addition to knowledge. Pupils at Woodlands will have opportunities to learn the skills of a scientist through practical work where they will make observations, seek patterns, classify and group things and carry out controlled investigations.
Understanding and caring for the world around us	The scientific method has changed our lives dramatically and an understanding of science is increasingly necessary to engage with many issues facing society. Science teaching at Woodlands will encourage pupils to make observations and create hypotheses that will help them develop an understanding of and interest in the natural world. In addition, the rational nature of the scientific method will help pupils to see that science can help humanity identify and tackle the problems we face, both today and into the future.