

Active	<ul style="list-style-type: none"> - Carrying out practical investigations. - Learning how to 'work scientifically.' - Exploring outdoor spaces when learning about different topics. - Children learn the key steps involved in a scientific investigation, e.g. making predictions, preparing resources, evaluating etc - this to be consistent across the school so that children are secure of these routines.
Ambitious	<ul style="list-style-type: none"> - Children can be challenged to access high levels of thinking, think more broadly about different topics and develop their independence by taking ownership of skills and processes. - Children gain an understanding of how science is important for different future careers, helping to inspire them to become lifelong learners.
Compassionate	<ul style="list-style-type: none"> - Children learn to care for the environment. - Learning in science connects to lots of current world issues, helping children to develop empathy for others and different ways of life.
Connectors	<ul style="list-style-type: none"> - Establishing meaningful cross curricular links, e.g. using their mathematical knowledge to create tables and interpret data. - Building upon their prior knowledge and identifying links between subjects and concepts.
Explorers	<ul style="list-style-type: none"> - Explore new concepts in different and engaging ways, including drama, model-making, stories and practical activities.
Inclusive	<ul style="list-style-type: none"> - Opportunities to explore different ways of learning and engage different kinds of learners, such as practical investigations, collecting data and research. - Opportunities to record learning in different ways, such as tables, pictures, words and diagrams. This means that children are not limited by their abilities in maths and English.
Independent	<ul style="list-style-type: none"> - Asking their own scientific questions and finding ways to answer them. - Learning how to use resources in science, safely and independently.
Thinkers	<ul style="list-style-type: none"> - Children learning to understand and debate issues that affect their lives. - Problem-solving when carrying out investigations. - Challenging misconceptions. - Consider greater use of concept cartoons to challenge the children to apply their understanding and solve problems in a range of contexts.