



## Science

### Our learning values

Confidence	Caring	Curiosity	Challenge	Creativity	Community
Copplestone pupils can present their ideas to others. They are aspirational in their learning. They can present their findings to the class.	Copplestone pupils take a pride in their learning. They listen to and value their peers. They care about the environment and how science can solve problems.	Copplestone pupils ask questions. They are reflective learners. They learn about new ideas in science through investigations.	Copplestone pupils are self-motivated. They take risks. They persevere. They are interested in learning about new concepts.	Copplestone pupils make connections in their learning. They can show their learning in different ways. Children can carry out their own investigations.	Copplestone pupils are collaborative. They share ideas and value the ideas of others. They work well in groups and pairs, discussing and sharing ideas.
<b>Working scientifically: fair tests</b> Fair test enquiries give opportunity for children to explore cause and effect relationships in science	<b>Working scientifically: identifying and classifying</b> Children make observations and measurements to help them look for similarities and differences	<b>Working scientifically: research</b> Research enquiries, children get to use a range of secondary sources to help them find the answers to 'big questions'	<b>Working scientifically: pattern seeking</b> Pattern-seeking enquiries in science involve children making measurements or observations to explore situations	<b>Working scientifically: comparative testing</b> In comparative tests the children compare different cases and situations	<b>Working scientifically: observing over time</b> Observing over time help children to be curious about the world around them
<pre> graph TD     SI[Scientific inquiry] --&gt; S((Scientist))     PD[Processing data] --&gt; S     PS[Practical skills] --&gt; S     IRR[Information retrieval and revision] --&gt; S     C[Communication] --&gt; S           </pre>		<p>At Copplestone Primary school, we believe all children should develop a sense of curiosity about the world around them. Through our science curriculum we give them opportunity to explore their community and the wider world and guide them to observe, question and discuss what they observe. As the children move through the school, they continue to build on their knowledge to become confident of the scientific processes which help us learn about the world around us. Building understanding of working scientifically, pulling together key knowledge and encouraging a culture of questioning, testing and concluding allows us to inspire children to be scientists. Developing skills in collecting data, accurate measuring which help children grow confident in creating and implementing fair tests. Our curriculum allows a careful build-up of skills revisiting them regularly and giving them opportunity to learn ways to present and conclude enquiries. Children learn about the important scientific changes, uses and implications of science in the world around them and how scientists have changed our world and the impact they have had on our lives.</p>			