



Crockerne C of E Primary School

Science at Crockerne Church of England Primary School



What drives our curriculum?

Rigorous - Children are challenged to apply their learned knowledge through practical assessment, written explanation and oral reporting. They use their depth and breadth of knowledge and understanding from their knowledge organisers and taught lessons to design and take part in experiments and studies with a real world application drawing conclusions and suggesting further study to improve and develop their hypothesis.

Engaging - Science is often included in projects and teachers develop and design projects to include the real world application of science. This will often include the study of particular scientists and visits from scientists.

Authentic – Climate change and local environmental improvements are key to the application of science in Crockerne. Children are encouraged to explore the application of science in the world around discovering the common ground between Stem and Humanities subjects. For example the links between Maths, Geography, Design Technology and Science are explored through natural disasters and their escalating impact on the natural world.

Learning – To understand the impact of science on our modern world and how different experimental models are required in different situations. To understand and interpret data and draw conclusions from it. Children at the end of ks2 understand that good science is peer reviewed and can differentiate between scientific theory and scientific opinion.



Sequencing of content

The science overview ensures that year on year knowledge and practical understanding are expanded and developed in the three knowledge based strands and the working scientifically strand.



Big ideas

To have an understanding of scientific enquiry and the role it plays in modern society.

To develop an enquiring mind and scientific approach to the world around them.



Deepening Concepts

- Evolution
- Natural cycles of the Earth
- (water, rock, carbon)
- Understanding of electrical circuits and how they are used.
- Understanding of growth and development of living things.



Retrieval Practice

Children take part in regular mini quizzes and retrieval practice to strengthen their memory.

Remembering information and knowledge is celebrated as part of our learning culture.

	<ul style="list-style-type: none">• Understanding of Human impact on the natural world both positive and negative.	
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