






Aims

The National Curriculum for Science aims to ensure that all pupils:

-  develop **scientific knowledge and conceptual understanding** through the specific disciplines of biology, chemistry and physics
-  develop understanding of the **nature, processes and methods of science** through different types of science enquiries that help them to answer scientific questions about the world around them
-  are equipped with the scientific knowledge required to understand the **uses and implications** of science, today and for the future
-  are able to describe associated processes and key characteristics in common language, but they should also be familiar with, and use, technical terminology accurately and precisely
-  build up an extended specialist vocabulary.



We aim to make Science as practical as possible, allowing the children to access lots of different opportunities to plan, carry out and review practical investigations. Children are particularly encouraged to think of their own questions to investigate.

Science is taught throughout the school on a weekly basis. Each year group has five topics per year to cover and we do this by going through a cycle of visiting and re-visiting each topic in order to embed learning.

In addition, annually, we have a Science Week which usually coincides with the Cheltenham Science Festival. This is a week where Science becomes the main focus around the school with English and Maths lessons being linked to Science. This cross-curricular approach enables teachers and pupils to explore areas more deeply or even to explore areas of Science knowledge which are outside the scope of the normal curriculum. Each year there is a whole school investigation based around a simple question and classes then present their discoveries at our Science Fair. Science Week is always popular with the children (and staff) – especially when it involves hatching chicks!

Every other year, we take two year groups to workshops or talks at the Cheltenham Science Festival – we aim for everyone to experience this at least once in their school career.

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KS1	Year 1													
	Paddington 1				Paddington 2				Billy's Bucket					
	Animals including humans	Seasonal Changes	Animals including humans	Plants	Plants	Seasonal Changes	Plants	Materials	Materials	Scientific enquiry: Animals	Plants	Materials	Scientific enquiry: Seasonal changes	
	Year 2													
	All Creatures Great and Small				Over the Ocean Wave				From Farm to Fork					
	Animals including humans & fossils	Living things and their habitats	Animals including humans	Living things and their habitats	Materials	Sound	Materials	Sound	Plants	Scientific enquiry: Animals	Living things	Plants	Scientific enquiry: Materials	Sound
KS2	Year 3													
	Awesome Egyptians				Angry Earth				Monolith to Metal					
	Forces	Animals Including Humans	Forces	Animals Including Humans	Plants	Light	Plants	Light	Rocks	Scientific Enquiry: Forces	Animals	Rocks	Scientific Enquiry: Light	Plants
	Year 4													
	Roaming Romans				Ain't No Mountain High Enough				Groovy Greeks					
	Living Things and their habitats	States of matter	Living Things and their habitats	States of matter	Animals including humans	Sound	Animals including humans	Sound	Electricity	Scientific Enquiry: Living Things	States matter	Electricity	Scientific Enquiry: Animals	Sound
	Year 5													
	Through the Keyhole				Everywhere We Go!				Out of this World					
	Properties and changes of materials	Forces	Properties and changes of materials	Forces	Animals including humans	Living things and their habitats	Animals including humans	Living things and their habitats	Earth, Sun and Moon	Scientific Enquiry: Materials	Forces	Earth, Sun and Moon	Scientific Enquiry: Animals	Living things
	Year 6													
	Vicious Vikings				SPLASH!				Marvellous Mayans					
	Evolution and Inheritance (inc recap on trackel)	Electricity Light	Evolution and Inheritance(inc recap on trackel)	Electricity Light	SATs Revision				Scientific Enquiry: Living things	Scientific Enquiry: Animals	Scientific Enquiry: Living things	Scientific Enquiry: Animals		

Science Week Fair – each year group presented their investigation to the rest of the school and parents.



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