Wychwood CE Primary School

Shine as Lights in the World
Philippians 2.15

Welcome to our science newsletter!

"Somewhere, something incredible is waiting to be known." Carl Sageri

In our school the teaching of science inspires a curiosity about phenomena and events in the world. Our school vision aspires for children to develop their own curiosity whilst gaining a sense of responsibility to respect and care for God's creation.

At Wychwood, we intend for children to become confident scientists who enjoy exploring and discovering the world around them, whilst challenging their own thinking to develop a persistent wonder. Our science curriculum provides children with practical hands-on experiences to foster their curiosity and develop their scientific enquiry skills. Children will progressively build on learnt scientific vocabulary, knowledge and skills, whilst applying these to our real-life context. We recognise that primary school is a crucial time where children form opinions about science: we aim to ensure that children have a high level of science capital, with meaningful experiences which promote positive attitudes and a life-long interest with the subject.

Throughout the year, children will advance through a range of topics which allow them to understand the uses and implications of science in our world today and for the future.

Here is an overview of the topics for KS1, LKS2 and UKS2:

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
KS1	Everyday materials Seasonal changes	Working Scientifically	Animals, including humans Seasonal changes	Big Science	Plants Seasonal changes	Living things and their habitats
LKS2	Rocks	Living things and their habitats	Sound	Big Science	Animals including humans	Electricity
UKS2	Living things and their habitats	Light	Electricity	Big Science	Evolution and inheritance	Animals including humans

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School Games Gold 2024/25
Programme Opal in progress
Eco-Schools Distinction | 2025 - 2026

Places to visit:

Visiting different places is a fantastic way to bring scientific learning to life. Here are some recommended places below which cover a range of the children's topics:

Oxford Botanic Garden and Arboretum - https://www.obga.ox.ac.uk/ - A wonderful place to walk to see rare and endangered species whilst also being home to over 5000 plant species. Children can view their range of collections, learn about their researchers and current biodiversity projects.

Science Oxford - https://scienceoxford.com/centre/public/ - Every Saturday, they have Family Days and provide STEM opportunities through a Science and Nature Club. Indoors, there is an Exploration Zone and Live Lab and outdoors in the woodland and a Water Lab.

A little bit further away…

Science Museum – London - https://www.sciencemuseum.org.uk/home - There are interactive galleries and key scientific events throughout the year.

The Natural History Museum – London - https://www.nhm.ac.uk/ - Home to astounding collections that range from dinosaur fossils and a range of wonders on display.

National Space Centre – Leicester - https://www.spacecentre.co.uk/ - From Space Lates, to Film Clubs, Astronaut visits, to Cosmic Valentine's, and Science Fiction weekends, the National Space Centre has something for everybody to enjoy.

Things to watch:

Another great way to engage your child with science is by watching different programmes.
Here are some to choose from:

https://www.livescience.com/ - This offers ongoing global updates and videos in relation to science and our world.

https://www.sciencefocus.com/ - This website has a range of videos which are continually updated and covers many topics including nature, space, the human body and Planet Earth.

https://www.bbc.co.uk/iplayer/search?q=science – BBC iPlayer has a range of Bitesize Daily videos for all ages which cover many different topics.

https://www.youtube.com/c/LearnBright - Learn Bright produce many scientific videos which are specifically for children.

https://kids.nationalgeographic.com/videos/topic/spectacular-science - National Geographic Kids allow for children to research and explore some of their topics in greater depth through interactive videos.

Podcast recommendations

https://podcasts.apple.com/gb/podcast/fun-kids-science-weekly/id1247425397 - These 'Science Weekly' episodes are very upbeat and cover global weekly news, scientific discoveries and also include a new guest every week.

Book recommendations:

If your child has been engaged with a particular scientific topic, a fiction or non-fiction book is a fantastic way to continue their learning at home. On the following pages are some different recommendations for each of the topics that are being covered across the year. Please ensure you read the reviews and general themes of the book to make sure they will be appropriate for your child. If you click on the book, it will take you to a link on Amazon.

EYFS

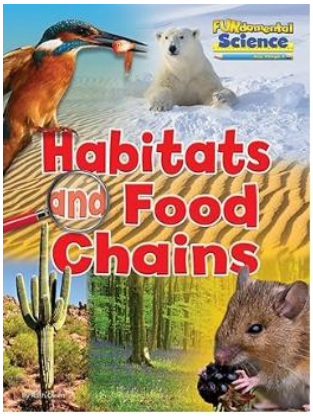
The Early Years Foundation Stage Curriculum supports children's understanding of science through the planning and teaching of 'Understanding the World'. It is introduced indirectly through activities that encourage every child to explore, problem solve, observe, predict, think, make decisions and talk about the world around them. Nature poems are shared regularly, children are encouraged to notice the changing of the seasons and they have opportunities to grow plants, which leads into their learning in KS1.

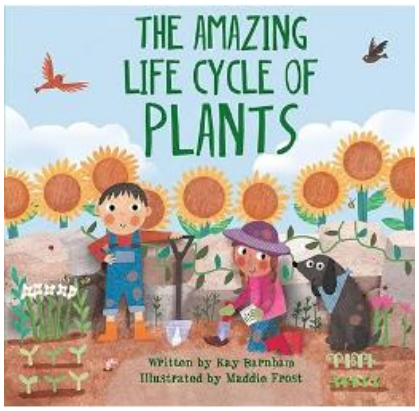
Visits

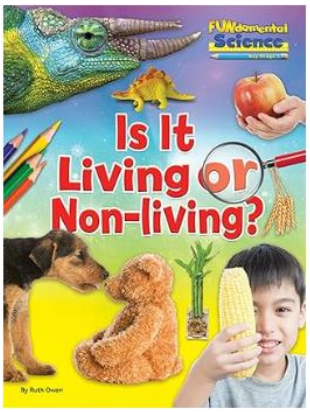
If you or a family friend has a job or any experience linked to any of the science units being covered then we would love to invite them into school. Please contact the office if you know someone who would be interested in speaking to the children about their experiences.

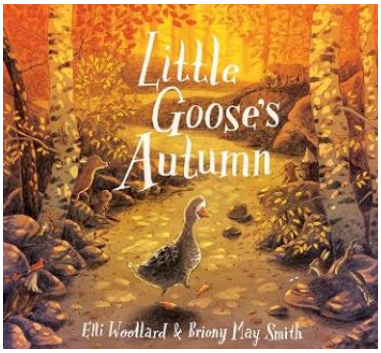
Thank you for your support.

Mr Townsend
Science Lead



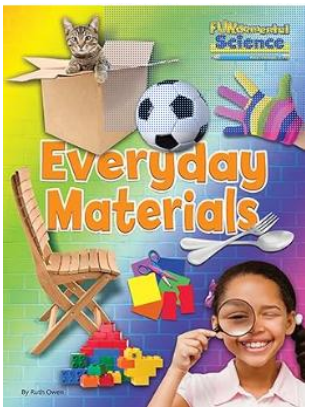




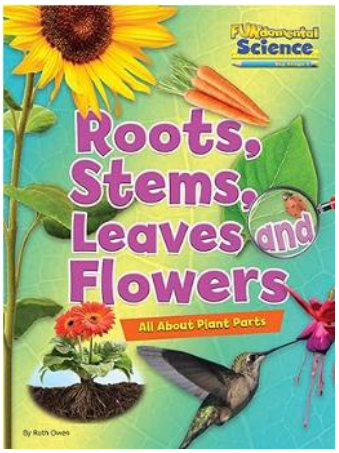


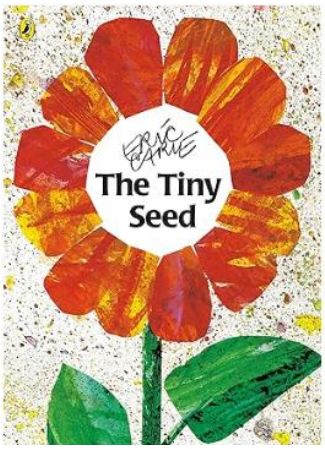


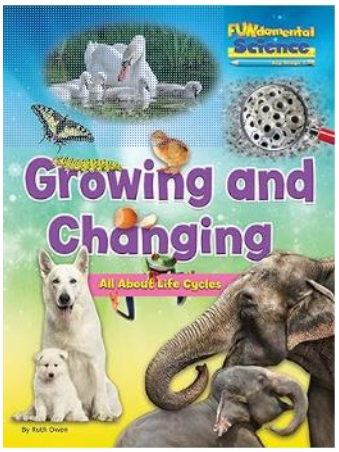
KS1



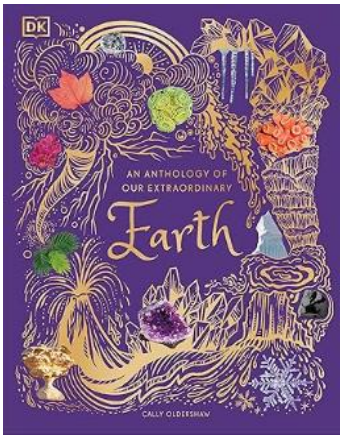


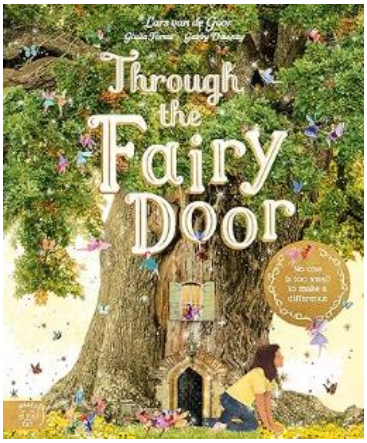


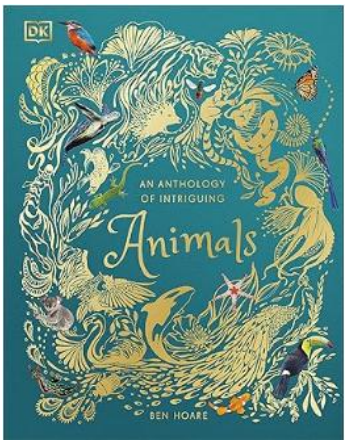


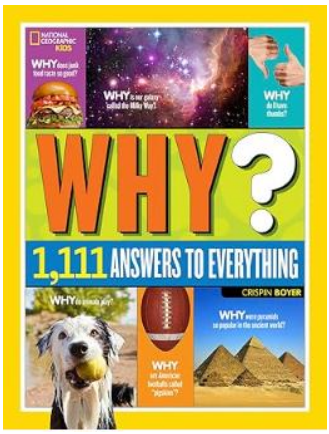


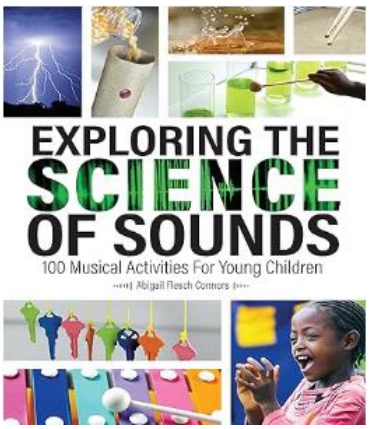
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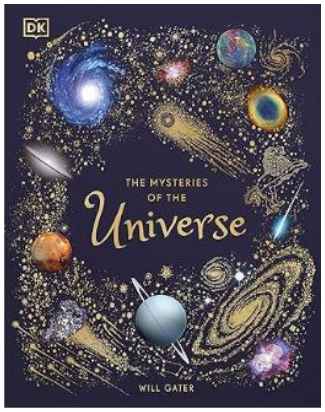


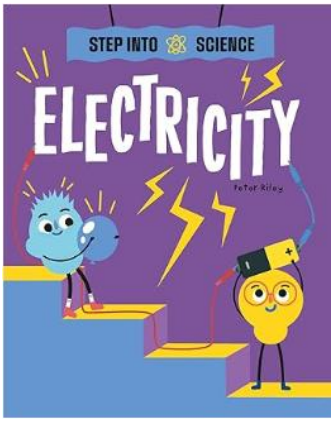


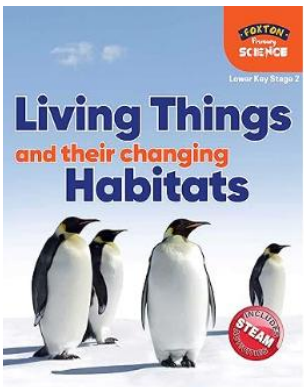


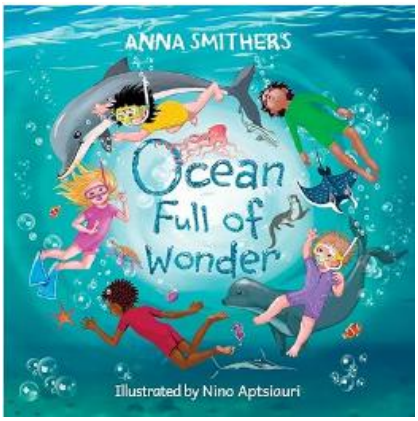


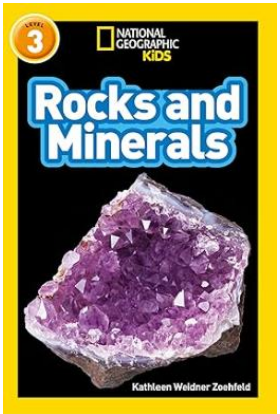
LKS2



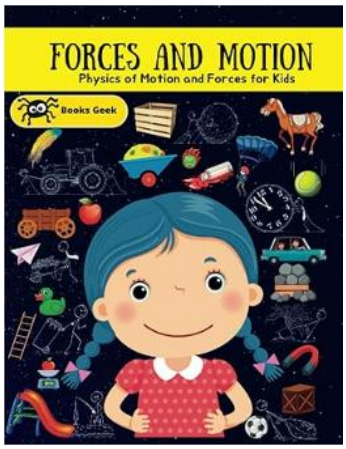


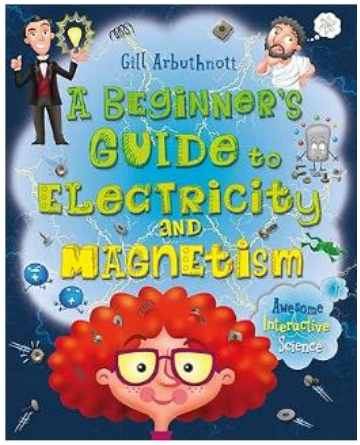


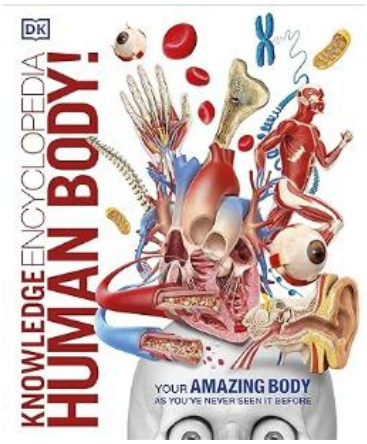


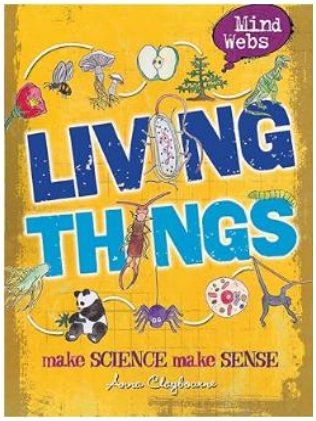


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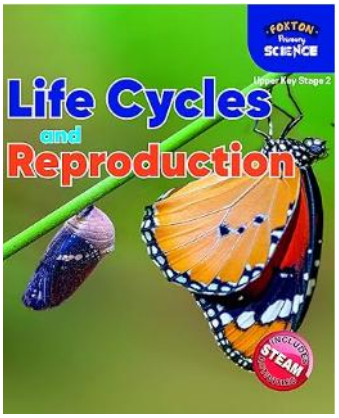


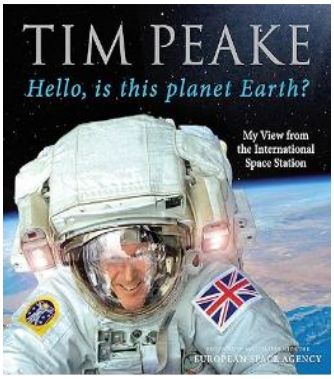


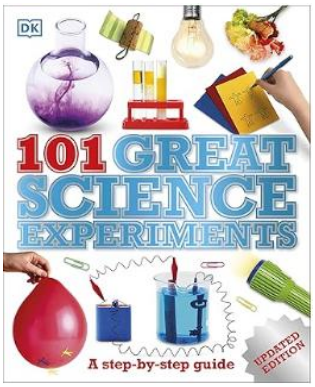




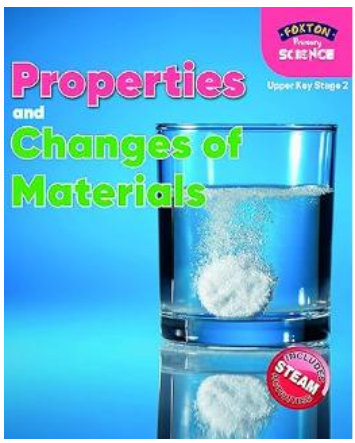
UKS2

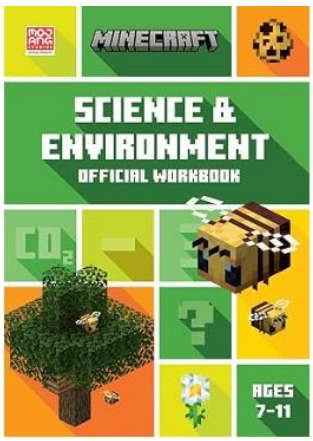












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