

## Wychwood Primary School Whole School Science Overview

### Strands:

**Biology:** learning about life processes and living things. **Chemistry:** learning about different materials and their uses. **Physics:** learning about energy and forces.

Across all topics, children will be learning to work scientifically, using and developing investigative skills including comparative and fair testing, identification and classification, researching, pattern-seeking and observation.

### Links to the Wider Curriculum:

1. Spirituality: enjoyment and fascination in learning about themselves and the world around them; being curious and asking questions
2. Protecting the environment and global citizenship (links to eco-council)
3. Knowledge and understanding of the world: new technology and engineering
4. Health and safety: managing risk
5. Values: scientists as role models
6. Overlap with outdoor learning and Forest School in KS1

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
FSU – ELG links	The Natural World: <ul style="list-style-type: none"> <li>• Explore the natural world around them, making observations and drawing pictures of animals and plants.</li> <li>• Knows some similarities and differences between the natural world around them and contrasting environments, drawing on their experience and what has been read in class.</li> <li>• Understand some important processes and changes in the world around them including the seasons and changing states in matter.</li> </ul>					
FSU For more information about how science is embedded across the year, please see the 'what does Science look like in EYFS' document.	Weather chart Seasonal changes	Weather chart Animal habitats Seasonal changes	Weather chart Animal habitats Hibernation Ice experiments Seasonal changes	Weather chart Predators and prey Seasonal changes	Weather chart Earth Day Seasonal changes	Weather chart Growing plants Exploring where food comes from Seasonal changes
KS1 (Cycle A)	Everyday materials  Seasonal changes	Working Scientifically	Animals, including humans Seasonal changes	Big Science	Plants  Seasonal changes	Living things and their habitats
KS1 (Cycle B)	Uses of everyday materials  Seasonal changes	Working Scientifically	Animals, including humans  Seasonal changes	Big Science	Plants  Seasonal changes	Living things and their habitats
LKS2 (Cycle A)	Living things and their habitats	Rocks	Sound	Big Science	Electricity	Animals including humans
LKS2 (Cycle B)	Light	Forces	States of Matter	Big Science	Plants	Teeth and Eating

UKS2 (Cycle A)	Living things and their habitats	Light	Electricity	Big Science	Animals including humans	Evolution and inheritance
UKS2 (Cycle B)	Living things and their habitats	Earth and space	Forces	Big Science	Animals, including humans	Properties and changes of materials