



## Science Long Term Plan 2022-2023

### Curriculum Intent

Science at Wylam First School is an integral part of our STEM curriculum and as such is carefully planned to link with other curriculum disciplines. The intent of our curriculum is to develop curious, independent and resilient learners who understand the importance and relevance of science in their lives. We are committed to providing children with opportunities to investigate and make enquiries across all three areas of science - biology, chemistry and physics. Through this, the children will develop the skills required to develop their own scientific attitudes and the ability to ask questions and use scientific evidence to answer them. Furthermore, we strive to ensure that through our work on the outdoor curriculum and issues relating to climate change and the Sustainable Development Goals the children develop an understanding of the impact Science has on the environment and the wider world.

We use CUSP science to deliver our Science curriculum. CUSP Science pays close attention to guidance provided by the National Curriculum sequence and content. It is infused with evidence-led practice and enriched with retrieval studies to ensure long-term retention of foundational knowledge. The foundations of CUSP science are cemented in the EYFS through learning within the Natural World, and People, Culture and Communities. Our ambitious interpretation of the National Curriculum places knowledge, vocabulary, working and thinking scientifically at the heart of our principles, structure and practice.

Through studying CUSP science, pupils become 'a little more expert' as they progress through the curriculum, accumulating, connecting and making sense of the rich substantive and disciplinary knowledge.

Our Science curriculum is supported through our outdoor education programme and fully supports the principles of the DFE policy paper which can be accessed below.

[Sustainability and Climate Change: A Strategy for the Education and Children's Service Systems](#)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Year 1</b>	Seasonal Change and Weather	Introducing Everyday materials	Introduce Animals, Including Humans	STEM focused tasks Scientific Enquiry	Introducing Plants, Including Trees	REVISIT Plants and Animals, Including Humans
<b>Year 2</b>	Introduce Living	Introduce Animals,	Uses of Everyday	STEM focused	Introduce Plants	REVISIT Living

	Things And Their Habitats	including humans	Materials	tasks Scientific Enquiry  REVISIT everyday materials		things and their habitats REVISIT Plants and Animals, including humans
<b>Year 3</b>	Introduce Rocks	Introduce Animals, including humans	Introduce Forces and magnets	STEM focused tasks Scientific Enquiry  REVISIT and Retrieve Rocks	Introduce Plants	Introduce Light
<b>Year 4</b>	Introduce Living things and their habitats	Introduce Sound	Introduce Animals, including humans	STEM focused tasks Scientific Enquiry  REVISIT Living things and their habitats	Introduce Electricity (History link)	Introduce States of Matter (Geography link)
*REVISIT modules revisit foundational knowledge that is essential to remember and focus on Remember-it, Apply-it and Prove-it tasks.						