

Our shared vision of the Principles for good teaching and learning in science.

Science teaching in our trust is great when...

Vision and Shared Culture

Our science curriculum aims to prepare children for the wider world. We strive to ensure that the lessons we deliver achieve the three aims of the science national curriculum so that pupils understand the science and have the skills to engage with the knowledge and recognise where it fits in the wider world. We believe in the curious child and encourage our children to ponder, ask questions and find out answers to big questions for themselves, reflecting on that which they have discovered. The knowledge they acquire is deepened through the use of essential scientific enquiry skills. We believe that through working scientifically our children will have a greater depth of understanding of the knowledge and will be the scientifically literate adults of the future.

Subject Expertise

Understanding of:
scientific concepts
misconceptions
vocabulary
working scientifically
PCK

Systems

Curriculum map
Medium term plans
Knowledge organisers
Support and challenge
(Differentiation through questioning - Bloom's)
Assessment and Tracking - TAPs

Working Scientifically

Understanding the different types of enquiry
Progression of skills
Asking questions

Curriculum design SCIENCE (LSP scheme)

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Term 1	Animals including Humans	Animals including Humans	Animals including humans	Animals and humans	Forces	Properties of materials
Term 2			Light			
Term 3	Everyday materials	Uses of everyday materials	Forces and magnets	Living things	Living things and habitats	Electricity
Term 4			Rocks	Sound		Animals including Humans
Term 5	Plants	Plants	Plants	States of matter	Earth and Space	Animals inc humans (nutrient, circulation, human body).
Term 6	Seasonal changes	Living things and habitats		Electricity		Living things and habitats (classification)