

Our Vision for Science at Parish:

The vision of our Science Curriculum is for all our children to develop an age-appropriate understanding of the knowledge, methods, processes and uses of Science, through the specific disciplines of **Biology**, **Chemistry** and **Physics**. Understanding 'The Bigger Scientific Picture' of their learning will allow our children to develop their own understanding of the impact of Science upon the world around them and to answer deeper scientific questions - comprehending that this has implications both today and in the future. Our bespoke curriculum design promotes children's natural curiosity and excitement of Science with a rich variety of experiences and observations, tailored to meet the needs of our learners. As children progress through school, they will become more proficient in different types of scientific enquiry, applying their growing knowledge to work scientifically through our knowledge-enabled approach. With rich links to reading and employment in Scientific industries, Science Capital can be developed, whilst promoting positive attitudes to STEM, thus influencing aspirations for future study and employment.

Key Principles of Science Learning:

	Resilience and Perseverance	Children show resilience and perseverance to 'Think Like a Scientist' with growing independence and engaging in engaging scientific enquiry .
	Articulate Learners	Children become articulate learners through application of 'Vital Vocabulary' and can explain their scientific reasoning with increasing confidence.
	Influence Aspirations	Children influence their aspirations by developing Science Capital at all levels with extensive links to STEM across the curriculum and extra-curricular offer.
	Nurture Curiosity	Children nurture their curiosity through engaging practical activities including opportunities for outdoor learning across each unit of work.
	British and Christian Values	Children apply the Christian Values of creation and endurance alongside promoting mutual respect by working collaboratively and accepting other thoughts and ideas.
	Opportunities to build Upon Knowledge and Skills	Children build on prior learning and truly understand the 'Bigger Scientific Picture' of how their learning explains the world around them.
	Wellbeing and Health	Children learn and develop positive attributes relating to wellbeing and health with an appreciation of the natural world and sense of awe and wonder .