

SCIENCE intent, vision and drivers

At Scotforth St Paul's CE Primary and Nursery School, our vision flows through everything we do because we want the very best for all of our children. We provide a broad and balanced curriculum that is inclusive and accessible to all, with a clear progression so that children can build on previous learning and make links to help them develop key skills and knowledge.

Intent for Science

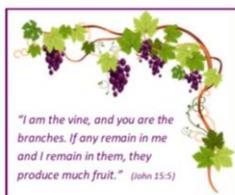
We understand that Science has changed our lives and is vital to the world's future prosperity. We believe science encompasses the acquisition of knowledge, concepts, skills and positive attitudes so our curriculum is designed to allow all children to acquire and develop these skills throughout their time with us. We ensure that the Working Scientifically skills are built-on and developed so that all children can use equipment, conduct experiments, build arguments and explain concepts confidently while continuing to ask questions and be curious about their surroundings. All our teaching and learning in science is based on six main principles, everyone is engaged, excited and involved, we use scientific vocabulary confidently, we talk, share ideas and ask questions, we use the outdoors and real life in our learning, we record our learning in different ways and we are hands-on and work practically whenever possible. Children's skills develop as they move up through school exploring how and why things happen through increasingly complex investigations.

Scotforth St Paul's CE Primary and Nursery School Vision

Learning, growing and caring as part of God's family.



Jesus (the gardener) nourishes and tends us as we learn and grow, so that we can all flourish. As a vine, we are one, but all unique and special to Him. We care for each other, as God cares for us.



Our vision helps us see that whatever subject we are studying, we can **learn** new skills and knowledge, **grow** as a well rounded person and **care** for ourselves, others and the world, as part of God's family.

Learning in Science	Growing in Science	Caring in Science
As we move through school, we learn to make sense of the world around us. We look for changes, patterns, similarities and differences to help us draw conclusions and answer questions, building on what we have learnt before. We learn new vocabulary and use it accurately in our explanations.	The study of science provides rich opportunities for us to develop a curiosity and open-mindedness about ourselves and our world. As we develop our scientific skills, we investigate and draw our own conclusions which provides us with the foundations for understanding the world around us.	Learning about living things, including ourselves, ensures that we understand the importance of caring for God's wonderful world. Collaboration in scientific investigations encourages co-operation and responsibility.

When revising our curriculum and making it the best possible for the children at Scotforth St Paul's, we identified certain drivers: resilience, independence, local heritage and the wider society. Below are examples of how these can be focused on within Science.

Resilience	Independence	Local Heritage	Wider World
The investigative nature of science means we can set goals for ourselves that provide challenges and stimulation. We can celebrate when we overcome a hurdle and move closer to achieving our goal.	We are encouraged to use prior knowledge and skills to confidently draw our own conclusions. We find ways to record our findings independently and can talk about results and what they mean.	Investigating and monitoring plants and animals in our local area allows us to build up a picture of changes over time. Close links with local secondary schools and Lancaster University enhance the delivery of our science curriculum.	We recognise the impact of science on all aspects of our lives, including culture, society and technology. We understand that science has changed the world and will continue to do so in the future.