



Vision Statement for Science

At St. Patrick's we want to encourage and inspire a child's natural curiosity to explore, observe and investigate the environment they engage with. We want our Science curriculum to allow children to question and wonder about the world around them. We want to build children that can enhance their own learning in Science, beyond their years in Primary education and see Science as a possible career opportunity.

Science is imperative for children to understand the environments they live in and the wider world around them. Science teaches children how to make sense of the world around us.

Our science teaching begins in the Early Years, where children build their own understanding of the world through play and exploration of their immediate environments. Children are invited to investigate and lead by their own questions and discoveries.

As children move into Key Stage 1, they begin to build a key body of knowledge about science that will support their learning through the topics they explore. Their investigations may have an element of direction but are carried through by their own interests and findings. Key Stage 1 will explore topics that will inspire and ignite the children to experiment, observe and gather their findings.

In Key Stage 2, the children will be further challenged by exploring a number of solutions, developing predictions and building rational explanations for the phenomena under investigation. Children in Key Stage 2 will develop a deeper understanding of previously taught topics and become confident to further explore, research and explain their findings.

We aim to encourage all children to become confident and independent explorers, who have an intrinsic motivation to challenge and discover aspects of physics, chemistry and biology.