

Science Statement of Intent

Science has been carefully designed and coherently planned to create personalised and ambitious curriculum that is broad and balanced.

Through Science, we can motivate, engage and inspire our pupils to think of themselves as scientists and believe they can be in the future. Our aim is to promote science capital and improve our pupils' engagement and relationship with Science, increase how much they value it, and encourage a connection with their life. Our pupils will develop an understanding of the significance of; what you know; how you think; what you do and who you know in shaping their relationship with Science. In our ever changing, globalised world, our children must be prepared in all aspects of Science, and believe that they can use the powerful knowledge and skills learnt at St. Peter's to achieve their dreams and ambitions.

To do this for Science at St. Peter's, we aim to embed the skills of 'Working Scientifically' consistently throughout the school. Science study involves the development of important skills, including life skills. By focusing on developing these skills, we will help our pupils not merely memorise the scientific method, but practise it daily. It will help our children be more effective at gathering and using knowledge by emphasising the Primary Science Skills: observing, classifying, quantifying (measuring), predicting, controlling variables, interpreting and communicating.

While not all skills may be taught at once, a good Science lesson will incorporate several of these skills. To ensure 'Working Scientifically' skills are progressing throughout each year group, teachers must always move from material that is concrete or familiar to material that is more complex or abstract. This could be achieved by starting with observations, moving towards predicting a result, interpreting what happened, or forming a conclusion. These skills can be reinforced regularly, making scientists out of all learners and improving their life chances. Promoting these skills will highlight how Science is used in the wider world and broaden pupils' horizons. Our Science Curriculum intends to create a stimulating environment which provides opportunities and experiences for our pupils.

