

St Peter's Catholic Primary School, Winchester  
Science Curriculum Statement

<b>'Christ at the Centre'</b>
<b>Curriculum Statement</b>
<b>INTENT</b>
<p>At St Peters we follow the Hampshire model of teaching and learning in science, which focuses on integrating working scientifically within an enquiry led curriculum. We provide the foundations for understanding the world through the specific disciplines of: biology, chemistry and physics. Science has changed and continues to change our lives and it is vital to the world's future prosperity, that all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through our hand-on, skills based approach, we aim to building up a body of key foundational knowledge and concepts. Pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. Instilling a sense of awe and wonder is at the heart of our curriculum to ensure children become lifelong learners with open minds to observe, predict and analyse the natural. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.</p>
<b>IMPLEMENTATION</b>
<ul style="list-style-type: none"><li>• Hampshire model booklet</li><li>• Science monitoring of planning and teaching, book looks.</li><li>• Gather evidence of safety being planned for in books by children. PUPIL CONFERENCING</li><li>• Ensure teachers have assessment grids and copies of assessment gathered to begin to build a picture across the school.</li><li>• Ensure curriculum coverage is aligned to NC objectives for all year groups</li><li>• Longitudinal studies being implemented</li><li>• Gap Analysis during COVID lockdowns identified and year groups to address catch up.</li></ul>
<b>IMPACT</b>
<p>Strong cohorts will be able to apply their scientific knowledge to become more independent scientist by developing their enquiry skills. Teachers will also feel confident in assessing children's learning in science.</p> <p>Science books will show a range of enquiry based learning with a range of both planning, recording and analysing their own investigations. These investigations will be planning in line with Hampshire Safety regulations and children will be part of the planning for safety process to meeting working scientifically objectives are met. Alongside investigations in pupil's books, there will be demonstrations of pupil's new understanding of the scientific concept that they have learnt.</p> <p>Teachers will plan longitudinal studies to help fill in gaps in children's knowledge due to COVID lockdown and enable application of 'working scientifically' skills.</p>