



# St Gabriel's CE Primary School

## Science



Intent	Implementation	Impact
<p>When teaching Science, we will:</p> <ul style="list-style-type: none"> <li>- Follow an ambitious and challenging curriculum which is designed to meet the statutory requirements of the National Curriculum.</li> <li>- Ensure all lessons are inclusive and challenging for all pupils including those with SEND.</li> <li>- Ensure Children are taught core knowledge, scientific skills, enquiry approaches and the cultural capital they need to succeed in future learning and in life.</li> <li>- Sequence and plan the curriculum so new knowledge and skills are built on prior learning gradually and cumulatively.</li> <li>- Provide multiple opportunities to recap on previous learning.</li> <li>- Build on children's aspirations by having high expectations and providing a wide range of varied and creative learning opportunities and to develop independent and collaborative learning.</li> <li>- To present core knowledge clearly and coherently.</li> <li>- To promote in depth discussion about subject matter.</li> <li>- To consistently decipher learners understanding and identify misconceptions, whilst giving clear and constructive feedback.</li> </ul>	<p>In Science, we will:</p> <ul style="list-style-type: none"> <li>- Provide in depth, high quality resources and supportive CPD to ensure teachers have a good scientific knowledge and are confident when delivering lessons.</li> <li>- Integrate new knowledge into larger concepts.</li> <li>- Create a learning environment that allows learners to focus on learning, providing appropriate and engaging resources that support all learners needs, progress and understanding.</li> <li>- Offer a curriculum that guarantees all children are able to develop the following enquiry skills including questioning, predicting, setting up tests and observing and measuring results, recording and evaluating data. through collaborative and independent learning.</li> <li>- Use integral enquiry approaches such as comparative/fair testing techniques, research, observation over time, pattern seeking, looking for links between scientific concepts and problem solving.</li> <li>- Allow the British values of democracy, rule of law, respect and tolerance and individual liberty to underpin all our activities by working together, respecting all children's right to learn, understanding others needs and unique learning styles, completing activities using safe, appropriate methods and resources and learning from our mistakes and others ideas, experience and opinions.</li> <li>-</li> <li>-</li> </ul>	<p>In science, children will:</p> <ul style="list-style-type: none"> <li>- Develop a love of learning and understanding about the world through science.</li> <li>- Develop core knowledge and key scientific skills that will be able to be used throughout the curriculum and in later life.</li> <li>- Make excellent progress and are proud of their own and others achievements.</li> <li>- Learn through investigation and being able to be confident when making mistakes that this will allow them to further deepen their understanding.</li> <li>- All be supported and be expected to access the full science curriculum with individual needs being met consistently and inclusively.</li> <li>- Understand key scientific concepts through using enquiry and prior learning therefore retaining core knowledge and skills.</li> <li>- Enjoy an exciting, challenging and inspiring curriculum that develops children's aspirations and teaches them skills and knowledge needed in further education and throughout life.</li> </ul> <p>Assessment</p> <ul style="list-style-type: none"> <li>- Use assessment for learning to embed and apply knowledge fluently alongside checking learners</li> </ul>

understanding and informing teaching.

- Use fun, motivating and engaging assessments and activities that are accessible to all learners.
- Use both formative and summative assessment to address misconceptions and address gaps that may arise.