



<p><b>Intent</b></p> <p><i>Padiham Green is a Christian School where everyone is valued. We want our children to LOVE, to LEARN and to SHINE on their journey.</i></p>	<p><b>Implementation</b></p> <p><i>As a school family we set good examples for all our learners. Using gospel values, we guide everyone along the right path.</i></p>	<p><b>Impact</b></p> <p><i>'Life in all its fullness' (John 10:10)</i></p>
<ul style="list-style-type: none"> <li>• To allow all pupils to be naturally curious and inquisitive.</li> <li>• To develop scientific knowledge and conceptual understanding in all areas of the science curriculum.</li> <li>• To develop awareness of climate and sustainability challenges within their environment.</li> <li>• To give children the tools to understand the uses and implications of science today and for the future.</li> <li>• Our personalised curriculum will allow learners to use equipment, carry out experiments, build arguments, explain concepts and continue to ask questions building on their curiosity about their surroundings.</li> <li>• Give our learners the opportunity to ask their own questions and through various opportunities, research and discover answers for themselves.</li> </ul>	<ul style="list-style-type: none"> <li>• We maintain a high level of up to date subject knowledge through regular training and professional development both in school and through external agencies.</li> <li>• Knowledge organisers have been developed to cover each topic which set out the key skills, facts, key questions, vocabulary and experiences which will be covered</li> <li>• To utilise outdoor learning opportunities to develop greater awareness of the environment and how children can prevent climate changes/sustainability.</li> <li>• We tailor lessons to all learners through quality first teaching, interesting and engaging resources and a variety of teaching strategies.</li> <li>• We use assessment of learning to ensure development of skills across all year groups.</li> <li>• We use and regularly refer to key topic related vocabulary and encourage the children to use it in each lesson.</li> <li>• We use a variety of resources and practical equipment to instil a love for Science learning.</li> <li>• We encourage children to investigate and find answers to scientific problems independently.</li> <li>• We encourage children to ask questions to deepen their scientific knowledge and use a range of questioning to further encourage their learning.</li> </ul>	<ul style="list-style-type: none"> <li>• Children enjoy and are enthusiastic about learning science in school.</li> <li>• Children will enjoy outdoor learning and develop a desire to become 'Greener'</li> <li>• Children will become future teachers of how to improve our environment.</li> <li>• There is a clear progression of work and expectations across the age range in our school.</li> <li>• Children's work shows a clear progression of skills and range of topics to ensure coverage of the whole curriculum.</li> <li>• Children are encouraged and able to select and recommend suitable equipment and recording strategies to complete an investigation, developing independence in their own learning.</li> <li>• Teacher assessments are regularly monitored and moderated to ensure good progression for all pupils.</li> <li>• Standards in Science are good and in line with other subjects.</li> <li>• The SLT and governing body are kept up to date with progression and developments in science through subject reports and subject action plans.</li> </ul>

