



## Curriculum Statement for SCIENCE

<b>Intent</b>	We believe that Science should evoke curiosity, through awe and wonder, whilst pupils begin to make connections and understand the world around them. We have high expectations of all our pupils and aim to foster a love of scientific enquiry, which will fill children with aspiration for the future. Wherever possible, we aim to make links between what is taught in the classroom and what is observed in the community and world around them. Our inclusive Science lessons are designed to support learning at a variety of levels to ensure that all children reach their potential and develop a solid understanding of scientific processes. Alongside this, children will build upon specialist vocabulary and use technical terminology accurately and precisely to increase their overall understanding.
<b>Implementation</b>	<p>The learning of key scientific knowledge is an integral part of our science lessons.</p> <p>Teachers plan lessons which follow a progression of scientific enquiry and working scientifically skills and these are developed as children move through the school.</p> <p>Our whole school approach to the teaching and learning of science involves the following;</p> <ul style="list-style-type: none"> <li>• Science is taught discretely in planned, sequenced topic blocks by the class teacher. Our strategy is to enable all children to be catered for through adapted planning suited to their abilities. Planning involves teachers creating practical, engaging lessons with opportunities for precise questioning in class to test knowledge and skills, and assess children regularly to identify those children with gaps in learning. Precise scientific vocabulary is taught in each topic.</li> <li>• Our curriculum is progressive. We build upon the learning and skill development of the previous years, using formative assessment so that teachers can identify misconceptions that need addressing.</li> <li>• Working Scientifically skills are embedded into lessons to ensure these skills are being developed throughout the children's time here, and new vocabulary and challenging concepts are introduced through direct teaching. This is developed through the years, in keeping with the topics.</li> <li>• Teachers demonstrate how to use scientific equipment, and the various Working Scientifically skills in order to embed scientific understanding. Teachers find opportunities to develop children's understanding of their surroundings by accessing outdoor learning and workshops with experts.</li> </ul>
<b>Impact</b>	We teach engaging, high quality science lessons which results in children having an awareness of the science that surrounds them. Children learn to question and challenge the world which supports their understanding and will lay the foundations for them to be aspirational learners beyond their primary years. Children are confident with a variety of concepts and applying their understanding to a range of enquires.

