

Brandesburton Primary Curriculum

Intent: Science



Intent	<p>At Brandesburton, our science curriculum aims to develop a sense of excitement and curiosity about natural phenomena. We believe that it is important for the children to understand how science has changed our lives and how it is vital to the world's future prosperity. We want our pupils to understand how science can be used to explain what is occurring, predict how things will behave and analyse causes. Our science curriculum encourages every child to ask questions, explore ideas, make mistakes and learn and be present in the world around them, in order to discover new things and make links.</p>
Implementation	<p>Although some classes are mixed-age in Key Stage 2, careful consideration is given to facilitating the teaching of science as single year groups. This helps to retain and build on prior disciplinary and substantive knowledge. Cross-curricular links are utilized wherever possible in order to give pupils the opportunity to make real life historical, geographical and mathematical links to their developing scientific knowledge. In addition to individual science books, we have developed the use of class floor books for recording scientific investigations and other practical work where pupils are working collaboratively. Suggested investigations to demonstrate and develop 'working scientifically' skills are mapped to ensure that children's disciplinary knowledge is regularly reviewed, revisited and refreshed. Pupil learning experiences are enhanced by visitors, visits and workshops to increase science capital. Year group assessment sheets have been developed to support teaching staff with their formative assessment of pupil progress.</p>
Impact	<p>We endeavour to increase children's knowledge and understanding, so that they become proficient in selecting and using scientific equipment, collating and interpreting results as well as becoming increasingly confident in their ability to draw conclusions based on real evidence. Our curriculum delivery is designed to promote critical thinking, questioning skills and the use of a wider range of vocabulary in communicating with their peers. We aim to help them understand the uses and implications of science, today and for the future and provide our learners with the foundations for understanding the world.</p>

