

The Walsh Way – Our Curriculum Intent: Science

<p>In our Science curriculum you will see our value of Love</p> <p>Through our Science learning, we aim to share our love of the natural world and everything in it. We encourage the children to develop a sense of awe and wonder at the wonderful world in which we live. We want the children to engage in a love of Science through a wide range of exciting and engaging learning opportunities. We nurture a love of Science learning by developing enquiring and questioning minds. Our children and adults support each other and work collaboratively when we are being scientific.</p>	<p>In our Science curriculum you will see our value of Community</p> <p>Through our Science curriculum, the children learn to work together, share their thoughts and ideas and what they have found out. They learn that we can have similar ideas to each other or different ideas from each other and that these can be a source of valuable inspiration. The children learn that the community and area around where we live can be a valuable resource for Science learning. We regularly make use of our school habitat as a resource and the variety of microhabitats we have developed in our school grounds. Our school families help to plant flowers and bulbs for us to observe and enjoy.</p>	<p>In our Science curriculum you will see our value of Perseverance</p> <p>Perseverance forms an integral part of our Science curriculum. The children explore using tools to investigate given challenges and to perform self-initiated investigation. They learn to explore their ideas and discover that sometimes they don't get the answer they expect. They are encouraged to try new ideas when challenges occur, be resilient through these challenges and persevere until they find an answer. They are encouraged to be prepared to make changes and use different approaches in their investigations.</p>
<p>In our Science curriculum you will see - our school curriculum prioritises reading, basic skills of oral language, literacy, numeracy, and personal, social and health</p> <p>Our Science units are linked to other curriculum areas where possible. The children learn to record their thinking and findings in a variety of written and mathematical ways. They learn to research Science through books and websites and make fact files reflecting their discoveries. They measure, sort and group their observations and record these in tables and charts. They use their speaking and listening skills and social skills to work together and discuss their learning and investigation choices. Our children learn about how to make healthy choices and how to live a healthy lifestyle.</p>	<h2>Science</h2> 	<p>In our Science curriculum you will see that we value inclusion and diversity</p> <p>A key skill we learn is to identify and classify, looking for similarities and differences. The children learn to make observations about everything around them. They learn about and name body parts and the senses. The children learn about how animals and humans grow and change. The children learn to accept that everything and everybody in our world is to be valued and loved. They discuss similarities and differences between themselves and others in a kind and respectful way.</p>
<p>In our Science curriculum you will see children learning through exciting, engaging learning experiences</p> <p>We start each Science based topic with a 'wow' moment to stimulate discussion and to motivate our children to want to find out more. We use a range of tools and equipment to enable our children to feel like scientists as they discover new things. They are encouraged to think about 'how' and 'why' they see what they see. 'I wonder' questions encourage the children to think deeply. We use investigations to enable the children to actively engage in their Science as this makes it more meaningful for them. We have special Science themed days in all year groups where the children are encouraged to dress up and can get absorbed in their discoveries, making them more memorable.</p>	<p>In our Science curriculum, you will see how we increase our children's Cultural Capital. This includes through planned trips and visits</p> <p>Our school grounds are a valuable resource and we use these often in our Science teaching, as we want the children to explore the outdoors. They look for plants and minibeasts and we regularly get animal and bird visitors. We have bird feeders and insect hotels around our gardens to encourage wildlife to come and enthral us. We have a local farm who comes to visit us and the children have the opportunity to interact with the animals and have memorable experiences. Our children visit the local canal, go on a boat ride and pond dip. They also visit local country parks where possible and have planned experiences led by experts in their fields.</p>	<p>In our Science curriculum you will see how we develop our children's language, including subject specific and technical vocabulary</p> <p>We are 'word aware' and encourage the use of technical, scientific language to build their Science vocabulary. The children are encouraged to articulate their thoughts and findings using this precise language and record scientifically. The specific Science vocabulary for each unit is carefully pre-planned and shared in discussion with the children and around the classroom environment. Some of our children are pre-taught this key vocabulary to enable them to become more confident with the language. Staff carefully and sensitively encourage answers to our scientific questions. Every child's responses are valued.</p>

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