

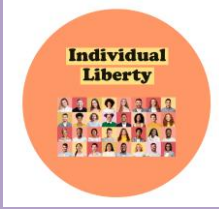









How does our science curriculum support British Values, SMSC and our whole school MPA values?

<p>Democracy</p> 	<p>The Rule of Law</p> 	<p>Individual Liberty</p> 	<p>Tolerance and mutual respect</p> 
<p>Democracy is vital in the classroom environment. In our science lessons, children can participate in discussions, share their ideas, and make collective decisions on experiments. For instance, when designing a science project, students can vote on which investigation to pursue, thereby fostering a sense of ownership and active engagement in their learning process.</p>	<p>The rule of law is also an essential aspect of scientific enquiry. We as teachers, explain the importance of following procedures during experiments to ensure accurate results. This not only reinforces the scientific method but also teaches students the significance of rules and guidelines, which are crucial for safety in the classroom and their working environment.</p>	<p>Individual liberty encourages children to develop their own opinions and interpretations of scientific methods and concepts. In our school, students can explore various scientific theories and outcomes, learning to express their thoughts respectfully. This enables them to understand their rights to voice their views while acknowledging that others may have differing perspectives.</p>	<p>In our classrooms, Tolerance and mutual respect are paramount in creating an inclusive learning environment. Our science lessons promote a culture where students appreciate diverse contributions during group projects or discussions. For example, recognising and respecting the different ways in which classmates approach a problem nurtures collaborative skills and appreciation for diversity among peers.</p>



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SMSC stands for **Spiritual, Moral, Social, and Cultural** development, which refers to the broader **personal development** of children and young people. It encompasses a wide range of **values, beliefs, and experiences** that shape an individual's identity and understanding of the world around them. SMSC is a crucial aspect of education, as it helps children and young people develop a strong sense of self and an awareness of their place in society.

<p style="text-align: center;">Spiritual</p>  <p style="text-align: center;">Spiritual</p>	<p style="text-align: center;">Moral</p>  <p style="text-align: center;">Moral</p>	<p style="text-align: center;">Social</p>  <p style="text-align: center;">Social</p>	<p style="text-align: center;">Cultural</p>  <p style="text-align: center;">Cultural</p>
<p>Spiritual Development Science encourages children to wonder about the world around them. In our setting, students explore units such as the life cycles of plants and animals, which offer profound insights into the beauty of nature. By fostering curiosity and encouraging questions about existence and life itself, we nurture the spiritual growth of our pupils. They learn to appreciate the marvels of the universe and reflect on their own beliefs and values.</p>	<p>Moral Development Our science curriculum also promotes moral development. As students learn about ecosystems and biodiversity, they engage in discussions about environmental responsibility. Units like waste reduction and conservation instil a sense of duty towards the planet and its inhabitants. Children are encouraged to think about the consequences of their actions and their impact on the environment, fostering a sense of stewardship and ethical considerations.</p>	<p>Social Development Science lessons often involve collaborative enquiries, where pupils work in groups to conduct experiments or investigate scientific concepts. This teamwork nurtures social skills such as communication, respect, and empathy. Children learn to listen to each other's ideas, make compromises, and celebrate their successes together, which is invaluable for their overall development.</p>	<p>Cultural Development We celebrate cultural diversity within science by exploring scientists from various backgrounds and their contributions. Lessons incorporate different cultural perspectives on scientific advancements and environmental practices. This approach helps children appreciate the richness of various cultures and understand that science is a global endeavour. The SMSC framework is intricately woven into our science curriculum, providing a well-</p>



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			<p>rounded educational experience that prepares children to be thoughtful, responsible, and engaged citizens.</p>
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<p>Be Honest</p> 	<p>Be Kind</p> 	<p>Be Positive</p> 	<p>Be Resilient</p> 	<p>Be Aspirational</p> 	<p>Be Respectful</p> 
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<p>Honesty is integral to scientific practice. We teach our students the significance of accurate observation and reporting of findings. Encouraging them to be truthful in their work cultivates a sense of integrity, helping them understand that honesty is as important in life as it is in science.</p>	<p>Kindness plays a crucial role in our classroom environment. We promote teamwork and collaboration in science activities, where students are encouraged to share ideas, listen to peers, and support one another. By fostering a culture of kindness, we help children understand the importance of empathy and working together, which is vital for scientific inquiry.</p>	<p>Positivity is nurtured through a supportive learning atmosphere. We celebrate effort and curiosity. When children feel safe to express their ideas and ask questions, they develop a love for learning that propels them into the future.</p>	<p>Resilience is an essential part of scientific learning. When conducting experiments, children often encounter unexpected results. We encourage them to view these challenges as opportunities for learning and growth rather than setbacks. This mindset prepares them to tackle problems with determination in all aspects of their lives.</p>	<p>We aim to be aspirational by encouraging our students to explore various scientific fields and consider how they might contribute as future scientists. This aspiration nurtures a sense of purpose and ambition.</p>	<p>Respect is foundational in our science classes. Students learn to respect nature, their peers' perspectives, and the scientific process itself, appreciating the intricate connections that bind us all. By embedding respect into our science curriculum, we prepare our students not only to think like skilled scientists but also thoughtful and responsible citizens of the world.</p>
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