

Curriculum Area: Science

<p>Duke of Lancaster Vision</p> <p>Duke of Lancaster will provide students with an outstanding <i>holistic, ambitious, diverse, and thoughtfully planned</i> curriculum. The school will deliver <i>learning opportunities both in the classroom and beyond</i> to support the development of everyone's <i>social, emotional, and academic skills and knowledge</i> to create <i>freedom of choice for all</i> and the capabilities to lead <i>fulfilling lives with independence, success, and confidence</i>.</p>
<p>Curriculum Intent Statement</p> <p>At Duke of Lancaster, our Science curriculum is carefully crafted to meet the unique needs and abilities of our students, who are in Key Stages 2 to 4 and are part of our vibrant community. Our intent is to provide a holistic and enriching science education that fosters curiosity, independence, and a deep understanding of the world around us, while respecting and celebrating the diverse ways our students engage with learning.</p> <ul style="list-style-type: none"> • Personalized Learning: <ul style="list-style-type: none"> ○ We recognise and value the individual strengths, interests, and learning styles of each student. Our curriculum is designed to be flexible and responsive, allowing for personalised learning pathways that cater to the specific needs of our learners. • Real-world Relevance: <ul style="list-style-type: none"> ○ Science is presented as a tool for understanding and navigating the real world. We emphasise practical, hands-on experiences that connect scientific concepts to everyday life, making learning meaningful and relevant to our students' experiences. • Sensory Considerations: <ul style="list-style-type: none"> ○ We are committed to creating a sensory-friendly science learning environment. Our curriculum takes into account the sensory sensitivities of our students, providing a safe and comfortable space for exploration and discovery. • Communication and Social Skills: <ul style="list-style-type: none"> ○ Recognising the importance of communication and social interaction, our science curriculum incorporates collaborative activities, group projects, and opportunities for students to share their findings. We aim to develop not only scientific knowledge but also effective communication and social skills. • Practical Application of Skills: <ul style="list-style-type: none"> ○ Our curriculum emphasizes the application of scientific skills in real-world scenarios. Students engage in experiments, investigations, and projects that encourage problem-solving, critical thinking, and the practical application of scientific principles. • Inclusion and Accessibility: <ul style="list-style-type: none"> ○ We are dedicated to ensuring that all students can access and engage with the science curriculum. Our teaching methods and resources are tailored to accommodate diverse learning needs, fostering an inclusive and supportive learning environment. • Cross-curricular Connections: <ul style="list-style-type: none"> ○ Science is integrated with other subjects, promoting cross-curricular connections that reinforce learning and provide a holistic understanding of the world. This approach helps students make meaningful connections between different areas of knowledge. • Celebrating Success: <ul style="list-style-type: none"> ○ We celebrate the achievements and progress of our students, no matter how big or small. Recognising and reinforcing success is integral to building confidence, self-esteem, and a positive attitude towards learning. <p>By implementing this curriculum intent for Science, we aim to empower our students with the knowledge, skills, and confidence to navigate the world around them, fostering a lifelong love for learning and discovery. At Duke of Lancaster, Science is not just a subject, it's a gateway to a brighter future.</p>