



## Science: Intent, Implementation and Impact

### Intent

Our science curriculum aims to equip children with the foundational knowledge and practical skills needed to think and act like scientists. We strive for all of our students to not only grasp the fundamental scientific concepts but also to understand how to carry out scientific inquiry effectively. Through our engaging and diverse curriculum, we seek to ignite a sense of excitement, curiosity, and interest in science. By taking this approach, we aim to instil confidence in our pupils ready for their transition to secondary school, ensuring they are armed with a robust understanding of the world and an enthusiasm for science and the related STEM subjects.

### Implementation

Through careful planning, the science curriculum is structured to ensure steady progression of skills and concepts, building on prior learning opportunities to enhance understanding and develop our pupils' independence and confidence over time. We provide regular opportunities for hands-on practical learning, encouraging students to question, explore, and develop their scientific curiosity. Through skilful instruction, our teaching staff model the correct scientific vocabulary and demonstrate sound subject knowledge. We utilise our extensive school grounds to enhance learning through real-life contexts, fostering a deeper understanding of key scientific principles and enriching the learning experience for our pupils. Our pupils also benefit from additional learning opportunities, with lessons relating science to sustainability taught in all year groups, alongside inspiring trips and visits planned throughout the school year.

### Impact

Our science curriculum empowers our pupils and encourages them to feel confident and capable in science. Through our curriculum, children not only feel that all individuals can excel in the field of science, but they also develop the crucial skill of connecting real-world phenomena with their scientific learnings in the classroom. Children are interested and excited about science and our curriculum ensures that pupils are not only equipped with scientific knowledge but also with a curiosity and enthusiasm that drives their ongoing learning journey.