

Cheddington Combined School

Enjoying our learning...sharing our success



Subject Overview for Science

Date reviewed: September 2024

Next review date: September 2025

Science at Cheddington Combined School

Intent

We recognise the importance of science in every aspect of daily life. We aim to equip pupils with knowledge, skills and understanding and to encourage children to be inquisitive throughout their time at Cheddington Combined School. Throughout the newly embedded learning platform Curriculum Maestro, the children will acquire and develop the skills and core knowledge within each programme of study and across each year group, showing progression. We will ensure that the 'Working Scientifically' skills are built-on and developed throughout children's time at the school so that they can apply their knowledge of science when using equipment, building arguments and explaining concepts confidently. We will encourage them to continue asking questions and to be curious about the world around them.

Implementation

The heart of Science teaching at Cheddington Combined School is our commitment to practical, explorative and investigative learning. We foster an environment that encourages curiosity and questioning. Through the exciting and engaging learning platform of Curriculum Maestro, we provide stimulating lessons and hands-on investigations that engage pupils in real-world scientific issues, prompting them to think critically and creatively. We believe in a hands-on approach where children learn by doing it for themselves. This approach encourages our children to build resilience and become creative, critical thinkers. Our teaching and learning supports our curriculum by ensuring that lessons build on prior learning and provide opportunities for guided and independent practice. Our intent is to ensure that all pupils, regardless of their backgrounds or abilities, can access and excel in science. We implement differentiated tasks and provide support, allowing every student to participate fully in scientific enquiry.

Impact

The successful approach at Cheddington Combined School results in a fun, engaging, high-quality science education that provides children with the foundations and knowledge for understanding the world. Children will know more, remember more and understand more about the curriculum. Children retain prior-learning and explicitly make connections between what they have previously learned and what they are currently learning. All children will have: a wider variety of skills linked to both scientific knowledge and understanding and scientific enquiry/investigative skills; a richer vocabulary which will enable them to articulate their understanding of taught concepts and a love of learning for all things science.