



What does Science look like at Humberston Cloverfields?

Intent

Our science curriculum is ambitious and designed to inspire all pupils so they thrive in an increasingly scientific/technological world. Science at Cloverfields opens the door for curiosity, enquiry and wonder. We aim to equip pupils with the knowledge and skills to think independently and develop an enquiring scientific mind in preparation for the world of work. Science develops the natural curiosity of the child, encourages respect for living organisms and the physical environment and provides opportunities for critical evaluation of evidence. We believe it is important for teachers to be confident in delivering relevant, practical and memorable lessons which do this.

Implementation

Science is a driving subject of the school curriculum as it's key in equipping children with key knowledge and skills necessary to succeed not only in their next phase of education but also in local industry; therefore, we are dedicated to the teaching and delivery of a quality science curriculum.

This is implemented through:

- a carefully thought out, whole school, two yearly overview of the Science curriculum, which allows for links to other subjects, especially to Maths and Design Technology, and progression across phases.
- Science being a focus for the Spring term in one cycle of the curriculum and the summer term of the other, providing pupils with the opportunity to master the skills, knowledge and concepts taught.
- the Science objectives focusing on seasonal change in Y1/2 being taught over the course of the year.
- teachers being supported with their subject and pedagogical knowledge through resources from Hamilton Trust.
- teachers being given ownership and flexibility to plan for Science; creating engaging lessons, often involving high-quality resources, to aid understanding of conceptual knowledge and scientific skills.

- pupils are introduced to specific scientists, through People Day, helping to develop an appreciation of human creativity and achievement and increase the science capital from which they can draw in the future.

Impact

At Humberston Cloverfields, the manner in which we teach science positively impacts on the motivation and “love” of the subject. It influences the way pupils think, their approach to other subjects and life in general. Pupils are inspired to research and carry out their own experiments at home and also suggest ideas to enhance their learning in the classroom.

Throughout lessons, often through careful questioning and observation, pupil’s skills and knowledge are continually assessed by the class teacher. This informs the Science leader of any further areas for curriculum development, pupil support and/or training requirements for staff.

As children move on to their next phase in education, they take with them a secure body of knowledge and scientific skills that provide them with a strong basis for further learning. In our ever-changing world, the future is uncertain; the planet’s natural resources are diminishing so it’s necessary we create the foundations for future scientists to improve the world for the future generations.