Science Intent

Our shared vision of the Principles for good teaching and learning in science.

Science teaching in our trust is great when...

Vision and Shared Culture

Our science curriculum aims to prepare children for the wider world. We strive to ensure that the lessons we deliver achieve the three aims of the science national curriculum so that pupils understand the science and have the skills to engage with the knowledge and recognise where it fits in the wider world. We believe in the curious child and encourage our children to ponder, ask questions and find out answers to big questions for themselves, reflecting on that which they have discovered. The knowledge they acquire is deepened through the use of essential scientific enquiry skills. Our children will have an awareness of our changing planet and be environmentally and ethically aware. We believe that through working scientifically they will have a greater depth of understanding of the knowledge, will be the scientifically literate adults of the future.

Subject Expertise

Understanding of:

scientific concepts

misconceptions

vocabulary

working scientifically

PCK

Working Scientifically

Understanding the different types of enquiry

Progression of skills

Asking questions

Systems

Curriculum map

Medium term plans

Knowledge organisers

Support and challenge (Differentiation through questioning - Bloom's)

Assessment and Tracking - TAPs