

Subject Overview: Science

Intent

We aim to:

Nurture young scientists through encouraging their curiosity and developing their understanding of how the world works.

Offer a range of opportunities to explore and understand the world around us, gaining a secure scientific knowledge and conceptual understanding.

Expand pupils' scientific knowledge and skills as they progress through school alongside the confidence to investigate, experiment and work scientifically.

Build up extended specialist vocabulary, enabling pupils to articulate scientific concepts.

Encourage pupils to formulate their own scientific questions and lines of enquiry.

Equip pupils with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Implementation



Three-tiers of Science



Programme of Study



Science driven themes



Supplementary Science



Essential Skills



Scientific Enquiry



Key Vocabulary



Key Questions



Knowledge Blasts



Cross-Curricular Links



Low Stakes Quizzing



Excels



Pathways Curriculum - Inclusive for all

Intended Impact:

Pupils use different types of scientific enquiry to answer their own questions.

Pupils have the confidence to investigate, experiment and work scientifically.

Pupils know and remember more scientific knowledge, vocabulary and concepts.

Pupils make good progress through the science curriculum. They demonstrate a secure knowledge of both science content and working scientifically for their year group.

Pupils demonstrate a secure scientific knowledge and conceptual understanding through conversation, written work and assessment for learning such as assessments or low stakes quizzes .