

Intent: What do we want children to learn?

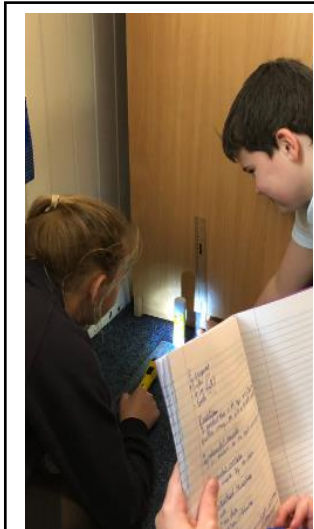
In conjunction with the 2014 National curriculum we aim to offer a high-quality science education, which provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics.

Through teaching science at Rodbourne Cheney we aim to:

- Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
- Develop understanding of the nature, processes and methods of science through different types of science enquiries that help them to answer scientific questions about the world around them
- Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.

Key areas for development:

- To develop extra-curricular Science activities and whole-school Science events.
- To develop the use of assessment in Science and regularly analyse Science data in order to check pupil progress and improve outcomes.



Science Intent, Implementation and Impact Statement



Implementation: How do we do it at Rodbourne Cheney?

We use a variety of teaching and learning styles in science lessons. Our principal aim is to develop children's knowledge, skills, and understanding. Sometimes we do this through whole-class teaching, while at other times we engage the children in an enquiry-based research activity. We encourage the children to ask, as well as answer, scientific questions. They have the opportunity to use a variety of data and take part in a wide range of activities. Wherever possible, we involve the pupils in 'real' scientific activities.

Impact: What are the outcomes and strengths?

Learners are able to:

- Ask and answer scientific questions;
- Plan and carry out scientific investigations, using equipment, including computers, correctly;
- Relate scientific theory to the real world;
- Know and understand the life processes of living things;
- Know and understand the physical processes of materials, electricity, light, sound and natural forces;
- Know about the nature of the solar system, including the earth;
- Evaluate evidence and present their conclusions clearly and accurately.