



Ralph Butterfield Primary School

Science Intent

At Ralph Butterfield Primary school, we aim to provide a high quality science education that develops scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics. Our engaging curriculum, and progressive application of knowledge, skills and vocabulary, provides the children with an increasing understanding of the world around them. The curriculum aims to highlight the importance of science in our daily lives and for the future. Furthermore, we strive to inspire the children's curiosity and fascination about the natural and man-made world through the teaching of how to respect and protect the environment.

The aims of teaching Science in our school are to:

- Build on the children's enthusiasm and curiosity about the world in which they live.
- Provide a stimulating environment where children can work in an investigative way.
- Develop, through practical work, the skills of observation, prediction, investigation, interpretation, communication, questioning and hypothesising, and precise measurement skills.
- Encourage and enable children to offer their own suggestions, and to be creative in their approach to science taking lines of enquiry in ways that interest them.
- Enable children to develop their skills of co-operation and collaboration through working with others.
- Teach scientific enquiry through contexts taken from the National Curriculum for science.
- Encourage children to collect relevant evidence and to question outcomes.
- Encourage children to treat the living and non-living environment with respect and sensitivity.
- Promote the need for personal and group safety by the correct usage and storage of resources.
- Encourage children to critically question the world around them.
- Enable children to appreciate that we do not always know the answers when carrying out scientific enquiry as the world around them is continually changing and developing.
- Equip children with the language to be able to discuss their learning and confidently explain their scientific understanding.