



Curriculum intent: Science

Gather Data
Ask Questions
Perform Tests
Make Observations
Use Equipment
Analyse Data

Purpose of Study

A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

Who is the Little Thurrock Scientist?

The Little Thurrock Scientist is equipped with the skills to work scientifically and can communicate their findings in a variety of ways. They are curious about scientific processes and can apply a range of scientific enquiry techniques. The Little Thurrock Scientist not only understands the science covered in the classroom but can make links with the outside world. They can make connections across and between different curriculum areas and have a secure understanding of the content covered.

Our Curriculum Rationale

- Purposeful, hands-on and engaging learning opportunities encourage the development of scientific understanding and skills;
- Objectives across all strands of 'working scientifically' revisited and embedded within and across year groups / key stages to ensure cumulative fluency of scientific enquiry, processes and methods;
- Revisiting of content where appropriate to ensure depth of understanding;
- Connections made within and across subject areas and to the wider world to encourage children's scientific curiosity.