

Subject on a Page



Science

At Rolvenden, we understand the important role science plays in everyday life and the knowledge and understanding of the world in which we live. We want all of our pupils to be able to grow up questioning the world around them and having the skills to investigate those questions.



Intent - What do we aim to deliver?

Science is taught in KS1 and KS2 for around 110 minutes a week which equates to approximately one afternoon session. Children in EYFS conduct scientific experiments and explore scientific principles through their CREATE lessons, adult-lead activities, and own learning.

Provide the opportunity for all children to have the skills required to be scientists and work scientifically.

To acquire the knowledge and understanding to explain, at an appropriate level, the world around them.

Develop, through practical work, the skills of observation, prediction, investigation, interpretation, communication, questioning and hypothesising, precise measurement, and those used in ICT.

To critically question the world around them. Developing a curiosity and interest in science.



Implementation - How do we aim to deliver it?



Impact - How will we know when we have delivered it?

Progressively Based Framework

The science curriculum is driven by National Curriculum 2014 from which the skills and knowledge are drawn. Units are taught in a two year cycle. This dictates the overall content statements that will be taught.



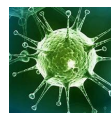
Lesson Progression Planning

Twinkl Science resources are used to structure the progression and content of lessons within the science theme. However, teacher scientific expertise and knowledge of the class is used to adapt these plans accordingly.



Scientific Inquiry

An emphasis is placed on developing the scientific inquiry skills, alongside the knowledge acquisition of the theme, which embed and reinforce the facts through investigational processes.



High Levels of Engagement and Enjoyment

Rolvenden children will express enjoyment of the subject and enthusiasm during lessons. They will be fully engaged in the scientific inquiry sessions and have developed their skills to those appropriate for their year group.

Ensuring Progress

Retrieval Practice—Low Stake Testing via Kahoot sessions are employed to cyclically assess the children's scientific knowledge and understanding. The results of the Kahoot are analysed and misconceptions addressed. Science is monitored through the Wider Curriculum Monitoring that occurs termly in staff inset sessions.

Whole Curriculum Impact

The scientific curriculum will have impact on analytical and evaluative language that can be used in other areas of the curriculum.