



Intent- we aim to...



Deliver a strong understanding of the world around them, whilst acquiring a range of skills and knowledge to help them think and work scientifically.



Encourage children to question the world around them and become independent learners in a fearless environment.



Provide essential scientific skills such as observing, comparing, identifying, classifying researching and pattern seeking.



Develop practical explorers, life long learners, curious questioners, ambitious investigators and globally minded individuals.



Support children to articulate and be confident communicators in order to enhance their learning when engaging in discussions.



Create a culture where mistakes are seen as part of the learning and children leave school with a fascination for science.

Implementation- How do we achieve our aims?



Andrew Berry – Kent scheme of work.

A clear and comprehensive scheme of work in line with the National Curriculum where teaching and learning shows progression across all key stages within each strand of science.

High quality resources and rich texts.

Children will use a range of resources and have access to key language and meanings to develop their scientific knowledge and understanding of scientific processes.

Meaningful and memorable experiences

Teachers should plan for practical investigative opportunities within Science lessons. Children will reflect on previous learning and cross curricular links will be woven in to reduce cognitive load.

Assessment - Sonar

We will use a range of assessment tools to ensure that National Curriculum objectives are met. These objectives are progressive by nature and children will build upon previously acquired knowledge.



Impact- How will we know we achieved our aims?



Children are engaged, confident and thoughtful in lessons. They share their news with others.



Children can question ideas and reflect on knowledge acquired to help them analyse results.



Children will work collaboratively and practically to investigate, hypothesise and draw conclusions.



Children will be able to explain the process they have taken and be able to reason scientifically, using the correct vocabulary.



Children will retain knowledge that is pertinent to Science with a real life context. They will link their knowledge to other areas of the curriculum.



Communication skills are strengthened. All pupils have the opportunity to present, share and question their findings.



Children take pride in their work by making appropriate choices in recording methods. They take ownership of their scientific enquiries.