



Science Intent, Implementation and Impact Statement

Our Intent

- To provide a rich, varied and purposeful curriculum which has its roots based on our school values recognising the importance of Science in every aspect of daily life.
- To give the teaching and learning of Science the prominence it requires.
- To increase pupils' knowledge and understanding of our world, and with developing skills associated with Science as a process of enquiry.
- To develop the natural curiosity of the child, encourage respect for living organisms and the physical environment and provide opportunities for critical evaluation of evidence.
- To deliver a well planned, child led Science curriculum which develops learning and results in the acquisition of knowledge and skills, enabling children to become enquiry based learners.

Implementation

- Teachers will have good subject knowledge and will be supported to maintain and improve this knowledge through key information on each topic, training, observing best practice and undertaking relevant research.
- Science will be taught discreetly every week; 1 ½ hours in Key stage 1 and 2 hours in KS2. EYFS will be taught through the Science Plan Assessment documents, the EYFS framework and continuous provision.
- Teachers will aim to include opportunities for writing within Science linking when appropriate to the English scheme of work.
- The Science subject leader will provide colleagues with support for planning, resourcing and teaching.
- The Science subject leader will take part in regular Network meetings and training to keep abreast of any updates, changes or developments in their subjects and disseminate them to staff
- The Science subject leader will drive their subjects forward through analysis of the Head Start Science assessment, regular monitoring, feedback from staff and pupils and personal research.
- Lessons will incorporate examples; retrieval practice and, over time, revisit teaching of knowledge and skills
- Learning will be accessible for all through teachers knowledge and understanding of the needs of the children in their class
- Children will reflect on previous learning and cross curricular links will be made wherever possible
- The Science curriculum overviews are planned to ensure that teaching is sequential with the teacher ensuring that knowledge and skills are taught in a logical and progressive order
- The teaching of key vocabulary will be a feature at the start of all Science lessons.
- A Growth Mindset approach is used consistently across all Science lessons.
- The Science curriculum will be enhanced by the use of child led learning, relevant trips that match the topic, hands on activities and making Science fun.



Impact

The impact of our Science curriculum is evaluated through end of topic teacher assessments and Headstart Progress Tests at the end of each full term.

- Most children **will** achieve age related expectations in Science at the end of their cohort year.
- Children will retain knowledge that is pertinent to Science with a real life context; including relevant Scientific vocabulary and meaning.
- Children will be able to question ideas and reflect on knowledge.
- Children will work collaboratively and practically to investigate and experiment.
- Children will be able to explain the process they have taken and be able to reason scientifically.
- Children will have good subject knowledge in Science to ready them for the next stage in their education.