



# 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 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 end of unit writing assessments, 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 assessment 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.