

Willoughby Primary
School

'Learning for Life'



Science Curriculum Statement

INTENT

Rationale:

At Willoughby Primary School our Science curriculum is designed to be accessible to all so that every child knows more, remembers more and understands more. At Willoughby, we believe that all children can achieve in Science. We do not put ceilings on what children can achieve and we do not hold pre-conceptions about any child's ability to make progress. We believe through learning Science, children will become enquiry-based learners and develop curiosity about natural phenomena, a sense of excitement, predict and analyse.

Ambition:

Our intent is to:

- Deliver a Science curriculum which develops learning and results in the acquisition of knowledge and skills, built on previous learning
- Create a Science curriculum which enables children to become enquiry based learners
- Teach Science in a thematic and enjoyable way, alongside other areas of the curriculum
- Encourage children to predict, investigate and analyse
- Encourage children to showcase their scientific, investigative and enquiry skills.

IMPLEMENTATION

In order to implement our intent, we have:

- Opportunities for whole school and class enrichment
- A scheme of work that focuses on specific and relevant vocabulary
- Ensured that staff are equipped with the necessary professional development to deliver our curriculum
- A clear and comprehensive scheme of work in line with the National Curriculum
- A scheme of work that is progressive and develops enquiry skills and knowledge

- Lessons that are practical and investigation based
- Planned opportunities to learn Science within a wider context alongside other curriculum subjects
- Opportunities to develop the progression of enquiry skills, predicting, investigating and analysing
- Opportunity for children to work independently and collaboratively
- Trips to enhance science learning eg. BGS & The Space Centre
- A link governor who liaises with the subject leader in order to monitor and improve standards
- A curriculum that meets the needs of all pupils (including SEND).

IMPACT

Through implementing the above

- Children will understand and apply subject specific vocabulary
- We aim for all children to achieve age related expectations
- Staff will use formative and summative assessments in order to know where children are at
- Children will retain and build on knowledge that is pertinent to Science with a real life context
- 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.