Science at Our School

Our intent for Science is that every child develops an enthusiasm and enjoyment of scientific learning and discovery.

Our Intent



Our intent is for children to:

- Develop understanding of the nature, processes and methods of Science through the five different types of enquiries.
- Achieve their absolute potential by having the highest expectations of their learning.
- Be confident to ask questions, take risks and extend their scientific knowledge.
- Develop the essential scientific enquiry skills to deepen their scientific knowledge.
- Use a range of methods to communicate their scientific information clearly and accurately.
- Develop a respect for the materials and equipment they handle, with regard to their own and other children's safety.
- Develop Science Capital to understand the importance of Science in today's world and inspire them for their future.

Our Implementation



We implement our Science approach through:

- In EYFS, we enhance provision so children can explore scientific concepts (e.g. melting, freezing, floating and sinking), with teacher input, independence and visits from experts to inspire awe and wonder.
- Science is taught for one afternoon a week through focus groups and challenges.
- Each of the 5 types of enquiry (Research, Comparative and Fair Tests, Pattern Seeking, Grouping and Classifying, Observing Over Time) is taught at least once every term.
- Working walls show key learning, vocabulary, diagrams, photos and our 5 enquiry characters.
- Children produce high-quality Science books, showing a range of evidence, and take pride in their work.
- Regular, practical experiments that focus on scientific enquiry.
- A creative and innovative approach using a range of high-quality resources and teaching methods.
- Excellent teacher subject knowledge and high-order questioning.
- Nurturing relationships help children to take risks and access Greater Depth learning.
- Working scientifically skills are embedded into every lesson.
- Learning across the curriculum is sequentially planned to build on knowledge and skills.

We follow the National Curriculum and the North Yorkshire NySol scheme, which provides a structure and skills development for the Science curriculum.

Our Impact



The impact of our Science approach is that children are inspired to demonstrate their scientific knowledge and skills. They are curious to find out how?