

## SCIENCE



### Intent

At Hartshorne, it is our intention to recognise the importance of Science in every aspect of daily life. We want every child to see themselves as a scientist because it helps our children have good knowledge and understanding of their world. Throughout school our children are encouraged to develop and use a range of scientific skills including questioning, researching and observing for themselves because our children learn by doing. We want our children to have a broad vocabulary because this helps them discuss what they have found out.

### Implementation

- Science is taught in a two-year rolling programme using the Developing Experts resource.
- A clear and comprehensive scheme of work in line with the National Curriculum where teaching and learning should show progression across all key stages within the strands of Science.
- Children have access to key language and meanings in order to understand and readily apply to their skills.
- Children will use a range of resources to develop their knowledge and understanding that is fundamental to their learning and develop their understanding of working scientifically.
- Children will have opportunities for practical investigative opportunities within Science lessons.
- Children will reflect on previous learning and cross curricular links will be made wherever possible
- Children will be able to build on prior knowledge and link ideas together, enabling them to question and become enquiry-based learners.
- Where applicable links to Science will be made to develop the children's topical learning.

### Impact

- Most children will achieve age related expectations in Science at the end of their year
- Children will retain knowledge that is relevant to Science with a real-life context.
- Children will be able to question ideas and reflect on their knowledge.
- Children will work practically and collaboratively to investigate and experiment.
- Children will be able to explain the process they have taken and be able to reason scientifically.
- Children will be equipped with scientific skills and knowledge ready for the secondary curriculum.