

# Science at Thornton Primary School

## Science Intent:

Science teaches children how to develop a strong sense of the world around them and understand scientific processes, the uses of and implications for Science today and the future. Children will acquire specific skills and knowledge to help them to think scientifically. They will develop a range of scientific skills including observations, classifying, researching, planning and investigating. Our Science curriculum starts from a learner's existing understanding and involves the learner actively in the learning process.



## Where we are with Science:

At Thornton Primary School our Science Scheme of Work ensures clear progression through the lessons within each unit. Our Science yearly overview also plans for effective progression as children move through their Science units in each year group, building upon the knowledge and skills they have learnt in previous years. Wherever possible, the units are planned to fit in with the year group's topics to make the learning relevant to the children and promote engagement. All Science units start with a pre assessment to check the children's prior learning and their learning is captured with regular 'knowledge checks'. This ensures that all children are making good progress in their knowledge and understanding of their Science unit.

## How we are developing Science:

- Developing the use of children's Scientific vocabulary.
- Developing the breadth of Scientific enquiry strands taught across the school.
- Improving engagement and excitement in the subject of Science and related careers.

## Impact of Science:

- We have improved the participation in practical investigations across the school through the curriculum and forward planning.
- We have promoted Science across the school through termly Science home learning activities.
- Interviews with children have shown that children talk excitedly about their learning in Science lessons and demonstrate good knowledge retention of previous learning.
- Our Science remote learning has been planned to include a range of resources which are both accessible and engaging.



## Data from 2023-2024:

- 90% of children are EXS+ in Y1.
- 93% of children are EXS+ in Y2.
- 79% of children are EXS+ in Y3.
- 100% of children are EXS+ in Y4.
- 84% of children are EXS+ in Y5.

## How we measure impact:

The impact of Science is measured in terms of the extent to which pupils have developed new knowledge, understanding and skills. This is measured using pre assessment tasks regular knowledge checks based around the Knowledge Organisers for each Science unit.