

# Science



## Intent

At Sheet we believe that every child has the right to a curriculum that champions excellence and supports pupils in achieving their potential. We believe that through science, children have the opportunity to investigate and by doing so, develop the skills of observation, enquiry, analysis, interpretation and problem solving. We encourage collaborative and independent working.

### Our curriculum enables pupils to:

- Develop a positive attitude to science and an awareness of the influence of science in everyday life
- Meet the requirements of the National Curriculum in a way that is appropriate to their needs and challenges them
- Develop their scientific knowledge, investigation skills and an understanding of cause and effect
- Apply their scientific knowledge and skills to solve problems in a variety of contexts
- Develop an understanding of safe ways of working and to take increasing responsibility for managing their own investigations
- To use scientific contexts to develop and consolidate the cross curricular skills of English, mathematics and computing



# Implementation

## Science at Sheet School:

### EYFS

- Science learning focusses on developing enquiry skills and high quality observations as set out in the early learning goals.
- Children are taught science through 'Understanding the World'. This is taught through teacher-led activities and consolidated through child-initiated learning.

### KS1 and KS2

- Weekly science lessons.
- Science units show progression from previous year groups.
- Lessons explore both scientific knowledge and skills.
- Key scientists are explored in lessons adding to pupils' cultural capital.
- End of unit tasks are used to assess children's learning. These are focussed investigation lessons and end-of-unit 'Show me' tasks.
- Regular retrieval questions are discussed to ensure previous knowledge 'sticks'.

## Impact

By the time the children at Sheet Primary School leave our school, they will have been inspired in science. They will have developed positive attitudes to the subject and be aware of science in their everyday lives. Pupils will have experience of managing risks enabling them to work safely and independently across the subject. They will be able to apply their scientific knowledge and skills to solve a variety of problems and their strong foundations in both scientific knowledge and skills will enable them to access their forthcoming secondary education.