

## Science Ambition

### Vision

It is our vision to develop scientific knowledge and conceptual understanding in naturally curious children by ensuring they are provided with a myriad of opportunities to engage and explore a variety of scientific topics by the time they leave Elloughton Primary School.

### Working like a scientist

*Science at Elloughton will provide opportunities for children to;*

- Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- Develop the natural curiosity of children about the world around them.
- Understand how science has changed our lives and is vital to the world's future prosperity.
- Develop questioning and enquiring minds through a range of enjoyable and interesting experiences.
- Develop the skills necessary to make systematic enquiries.
- Apply theoretical ideas to the solving of practical problems.
- Develop increasing attention to accuracy in observing and measuring.
- Understand the nature, processes and methods of science through the five types of enquiry: fair and comparative testing; observing over time; pattern seeking; identifying and classifying; research.
- Develop accurate use and spellings of scientific vocabulary.
- Explore science learning that is linked to a broader theme involving other subjects; including the historical context of significant scientists and their contributions.

*To make science an experience, lessons **will** include;*

- Enthusiasm, challenge and support
- Scientific vocabulary
- Open ended questioning
- Discussion

*Science lessons **might** include;*

- Working scientifically (five types of enquiry)
- A variety of stimuli

### Challenge

- Independent research
- Understand why results can differ
- Evaluate usefulness of enquiry and if it can be improved

- Presentation of learning

**To raise the profile of science through the school;**

- Each classroom will display the 'Working Scientifically' process which shows progression from EYFS to KS1, KS1 to LKS2 and LKS2 to UKS2, during the term it is taught.
- Children will learn about significant scientists and their contribution to the world.
- Science week will be celebrated each year across the school.