



## **Science Vision Statement**

At Sheffield Lower School we believe that Science is using and discovering evidence to make sense of the world around us. How world around us behaves and the independence of all living things. Making new discoveries increases our sense of awe and wonder at the complexity of the world we inhabit.

- At Sheffield our vision is to provide a hands-on science curriculum, which empowers pupils to explore and discover the world around them. We aim to do this through working scientifically with practical and exciting experiences, which encourage curiosity and foster a love of learning.
- Children at Sheffield Lower are naturally curious and passionate about learning. We aim to provide a stimulating curriculum that nurtures children's natural curiosity, independence and their on-going knowledge and understanding of the world around them.
- Everything we do in science is through a 'Working Scientifically lens. Through hands on, enquiry-based activities, children will confidently experience the joy of exploration, discoveries and improvements.
- We intend to give the children opportunities to develop their cultural capital through our focus on STEM and careers.

## **Implementation**

At Sheffield Lower we offer a broad range of experiences designed to provide pupils with a progression of scientific understanding, skills and knowledge.

- Importance is placed on 'Working Scientifically' experiences as well as using resources readily available to the teachers. For example, during forest school when learning about minibeasts or habitats, STEM science week and speakers from the science field
- We have a whole school approach in how we approach the science curriculum, thus planning and delivering lessons with a focus on 'working scientifically' and making cross curricular links throughout school.
- Understanding of key ideas in science is built on across the key stages and a progression of skills allows pupils to move from early observations and exploration, to consider questioning and drawing upon ideas.
- Through its practical nature, our science curriculum is inclusive and we ensure pupils of all abilities can access a range of different teaching styles and activities to further their learning. We aim to develop a broad, rich and engaging curriculum to all our pupils to enhance both their academic skill and curiosity of the world around them.

## **Impact**

It is evident through work sampling, displays and learning walks that children are increasingly becoming aware of the importance and openness of science. Children's work demonstrates use of scientific processes and terminology and this is progressive from Reception through to Year 4. It is clear that children enjoy their science lessons. They are articulate about science and are always excited to tell us about what they have been learning.