

## What our children say...

I like plants and enjoy going to Leafland to learn about the names of different plants. Age 5

I like science because it teaches us things that we could use in future careers Age 11

Learning about animals is my favourite thing to do. That is why I love Science. Age 7

I even read science books at night. Age 9

## What Art and Design looks like at Shotley Bridge

In science, we aim to inspire our children by giving them the opportunities to pursue their natural curiosity; promoting the experience of exploring and investigating scientific phenomena, in a range of contexts, to ensure a continually evolving knowledge and understanding of the world around them. Our children are encouraged to ask questions, experiment, reflect, make and learn from mistakes, in a safe environment.

Through this they acquire and apply core skills which equip them for an ever-changing world. Children learn through practical activities which develop their investigative skills and encourage a desire to find out about the world around them. Work and support are adapted and personalised to ensure all children with SEND are fully included and engaged in every lesson. For those working beyond year group expectations, opportunities are provided to further develop their scientific enquiry skills.

## Examples of Learning at Shotley Bridge

At Shotley Bridge, children have the opportunity to develop their scientific curiosity, and enhance learning through engaging enquiries and investigations. Children are encouraged to ask questions, discover for themselves. From early years, where experimentation is part of daily learning, to Y6 where the children pose questions, come up with their own hypotheses (based on prior learning), design investigations and come to their own conclusions.

Pupils at Shotley Bridge take part in British Science week, engaging in fun and exciting science experiments. Other experiences, both in and outside of school are also organised to complement the teaching of Science.

## Why is Science important?

Science enables children to find out about the world around them and how it works. Through outside learning, they can appreciate the animals and plants with which they share the planet. It broadens their understanding of everyday concepts, patterns and changes, and encourages a passion for investigation. Our work will help children to understand the uses and implications of science, today and in the future.

