

## Science at South Bersted

Children at South Bersted have many opportunities to get involved in practical investigation and scientific enquiry, using scientific equipment to test out theories and evaluate their findings. At South Bersted we enable our children to explore and discover the world around them, confidently, so that they have a deeper understanding of the world we live in. We facilitate this by using our fantastic school grounds to investigate and explore the world around us. Children will also take part in Outdoor Learning with a scientific and STEM focus using our school grounds to support this. Lessons are as practical as possible, with a scientific enquiry focus for each lesson whilst also developing their subject specific knowledge of the curriculum.

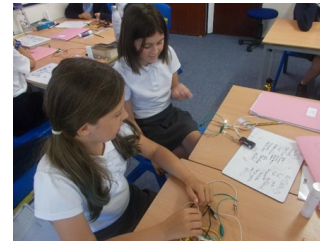
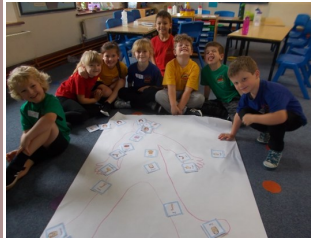
## How is science taught at South Bersted?

At the beginning of every lesson, children at South Bersted have the opportunity to use their observational and communication skills by taking part in an activity, which promotes scientific talk and the use of scientific vocabulary. Working scientifically is the focus of lessons and children are taught these skills and given opportunities to lead their own scientific enquiry and record their findings. Science has clear progression throughout the year groups and children have the opportunity to build on prior learning and use what they have learnt in previous years and topics and apply it in new ways to deepen their knowledge and understanding further. We aim to allow children to learn from as many practical and active opportunities as possible to develop their ability to think like scientists. Whole school theme days or a science week allows complete immersion in the subject.

## Why is science important at South Bersted?

Our aim is to provide children with the scientific knowledge they require to understand the importance of science in today's society. We will also discuss scientific opportunities that are available in the modern world that we live in today, by learning about different scientists and professionals in the industry. We also want to equip children with the ability to ask 'why' and find evidence that supports their views by taking part in scientific enquiry to find out the answers for themselves. We aim to give children the opportunity to work towards a science project at the end of each year for children to demonstrate how they have developed as scientists.

# Science at South Bersted



"A scientist investigates and finds things out for themselves. They do not get told the answers they have to find it out" Year 6 Pupil

## What will children learn in science?

**South Bersted's 'learning map', states the expectations at the end of each term.**

**At South Bersted, by the end of EYFS we aim for all pupils to:**

- Explore the natural world around them, making observations and drawing pictures of animals and plants.
- Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.
- Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.

**At South Bersted, by the end of Year 2 pupils will have:**

- asked simple questions
- observed closely, using simple equipment
- performed simple tests
- used their observations and ideas to suggest answers to questions
- gathered and recorded data

**At South Bersted, by the end of Year 6 pupils will have:**

- planned different types of scientific enquiries
- taken measurements,
- recorded results and used test results to make predictions to set up further comparative and fair tests
- reported and presented findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations
- identified scientific evidence that has been used to support or refute ideas or arguments.

