



## Science

### Sticklepath Intent



Our curricular aims are to develop **Growing Minds** that are **Curious, Critical Communicators**.

Science at Sticklepath will open up a world of exploration and discovery providing opportunities to wonder and ponder the big 'How and Why' questions. We want Sticklepath children to be **deeply curious** about their natural and man-made world, starting with the familiar to make sense of the wider world they live in. From the spark of curiosity they will learn to question, seeking out and applying knowledge to rationally explain understanding.

We want Sticklepath children to be **deep critical thinkers** and develop evidence-based knowledge and understanding, with an appreciation of the value that science has brought to their lives and to wider humanity. They will develop the key skills of scientific enquiry through questioning, observation, interpretation and explanation. Sticklepath children will learn to use a variety of approaches to answer a range of scientific questions. By hooking back to previous learning and building up their knowledge, they will develop a deep understanding of key concepts of science, allowing them to predict how things will behave.

Sticklepath children will learn the disciplines of biology, physics and chemistry, understanding the terms and their applications. As they develop these disciplines, Sticklepath children will become rigorous scientists, critically engaging with evidence and checking and validating data.

We want Sticklepath children to see the complexities of science. For example, for our youngest children to realise that influences such as the change in seasons affect the environments they observe or in KS2 recognising that science adjusts its views over time based on new research and discoveries.

At Sticklepath, we actively teach children to use precise, scientific and mathematical vocabulary, empowering them to **communicate** their thinking through hypothesising, explaining, drawing conclusions and critically evaluating.

Our **deeply curious, critical children** will use a range of appropriate mediums to **communicate** their scientific learning and enthusiasm for the subject to a range of

audiences. They will be able to collect, analyse, interpret and **communicate** with a range of data gathered through investigations.

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