



Maths



Sticklepath Intent



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

Mathematics teaching at Sticklepath aims to create curious, critical, communicators through a mastery curriculum focused on developing the skills of reasoning, problem solving and fluency. This is done through a concise progression of skills taught in small steps that build on children's previous learning. Skills based enrichment tasks are used to ensure that children's mathematical understanding is extended deeper, challenging them to think about the maths from a different point of view. Targeted pre-teach interventions are used to close the gap and support children to become more active and influential in maths lessons.

Children are taught to notice, reason, justify and generalise. Children build consensus through communication, using stem sentences to structure their discussions with appropriate mathematical vocabulary. The persistent use of stem sentences also allows pupils to hook back to previous learning.

At Sticklepath there is a consistent use of representation used across the school to help children see the underlying structure of the maths. Maths is an extremely abstract concept and so we ensure that children move through the concrete, pictorial and abstract phases of understanding using key manipulatives purposefully and appropriately to support their learning. Pupils are encouraged to hook back to previous learning and are supported through the use of clear and consistent stem sentences. Children at Sticklepath have the opportunity for regular fluency practice throughout the day, ensuring that pupils problem solving skills are underpinned with strong number sense and fluency.

Pupils at Sticklepath have the chance to engage with data and numbers across the curriculum. We want the children to understand the value of mathematical literacy and how it can allow them to make sense, interpret and be critical of the information they see in day to day life. Teachers use a rich enquiry based curriculum to give children the opportunity to engage with real life numbers and develop a deep curiosity for the world around them.