

Mathematics



Intent

At Grange Farm, our aim is to empower every child with the mathematical skills, understanding, and confidence needed to succeed both in school and in life beyond it. We believe mathematics is a universal language through which children can explore, explain, and make sense of the world around them.

Our mathematics curriculum promotes curiosity, creativity, and logical thinking. We strive for all pupils to become fluent in the fundamentals of mathematics, developing deep conceptual understanding alongside the ability to recall and apply knowledge efficiently and accurately.

We want all children to reason mathematically — following lines of enquiry, identifying relationships and generalisations, and expressing their thinking clearly using precise mathematical language. Above all, we aim for pupils to enjoy mathematics and to approach challenges with perseverance and confidence.

Implementation

To realise our intent, we provide pupils with a carefully sequenced curriculum that offers varied and frequent opportunities to practise and apply their knowledge to increasingly complex problems over time.

We place a strong emphasis on the development and use of mathematical language. Teachers model high-quality vocabulary and full mathematical sentences, ensuring that pupils are able to articulate their reasoning clearly and accurately.

Teaching follows a **Concrete–Pictorial–Abstract (CPA)** approach to support deep conceptual understanding. Practical activities, manipulatives, visual representations, and real-life contexts are integral to our teaching. Visible and accessible resources and displays across the school reinforce key concepts and promote independent learning.

Through consistent modelling, scaffolding, and opportunities for exploration, we ensure that children are actively engaged in their learning and are supported to build secure and transferable mathematical knowledge.

Impact

Our well-planned and ambitious mathematics curriculum enables pupils to become confident, fluent, and enthusiastic mathematicians who demonstrate curiosity and resilience.

Children at Grange Farm can apply their mathematical understanding to a range of contexts, reasoning logically and solving problems with increasing sophistication. They can explain and justify their thinking using precise mathematical language and show perseverance when faced with challenges.

As a result, our pupils achieve well in mathematics and are well-prepared for the next stage of their education. They leave Grange Farm with a strong foundation in mathematical understanding, a positive attitude towards the subject, and the confidence to continue their mathematical journey with success.