

Statement of Intent - Maths

The maths curriculum intends to provide a foundation for understanding the world around us, the ability to reason mathematically, an appreciation of the beauty and power of mathematics, and a sense of enjoyment and curiosity about the subject, **to believe they can become to be the best they can.**

The Mathematics department aims to ensure that all pupils become fluent in the fundamentals of mathematics, including thorough varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately. The course aims to give pupils the ability to delve deeper into Maths; to develop number sense and choose the most appropriate method for the task at hand; to be able to apply a skill to multiple contexts. Our teaching follows a mastery approach aiming to help pupils gain this fluency.

We strive to develop independent learners by letting the pupils grow through embracing opportunities to take ownership of their own progress by providing comprehensive platforms that guide pupils to master learnt skills. We ensure that all pupils develop mathematical reasoning skills by following a line of enquiry, conjecturing relationships and generalisations, developing arguments, justification or proof using mathematical language, which lets them, **grow through learning.**

The Maths curriculum has a big emphasis on **being resilient** with problem solving tasks and the application of learnt skills to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

We strive to equip our pupils with maths skills that will help them to succeed in whatever profession that they choose.