

Mathematics Department

Intent:

We are committed to ensuring that students can recognise the importance of Maths in the wider world and that they are also able to use their mathematical skills and knowledge confidently in their lives in a range of different contexts. We want all students to enjoy Mathematics and to experience success in the subject, with the ability to reason mathematically. We are committed to developing student's curiosity about the subject.

Implementation:

How our curriculum is implemented:

- Teachers reinforce an expectation that all students can achieve high standards in Mathematics.
- There is a focus on mastery across all areas of the maths curriculum.
- Most of the students' progress through the curriculum content at the same pace.
- Differentiation is achieved by emphasising deep knowledge and through individual support and intervention.
- Teaching is underpinned by methodical curriculum design and supported by carefully crafted lessons and resources to foster deep conceptual and procedural knowledge.
- Practice and consolidation play a central role. Carefully designed variation within this builds fluency and understanding of underlying mathematical concepts.
- Teachers use precise questioning in class to test conceptual and procedural knowledge and assess children regularly to identify those requiring intervention, so that all students keep up.

Beyond the classroom:

- Mathematics is important in everyday life, allowing us to make sense of the world around us and to manage our lives.
- Using mathematics enables us to model real-life situations and make connections and informed predictions. It equips us with the skills we need to interpret and analyse information, simplify and solve problems, assess risk and make informed decisions.
- In the Maths department we aim to develop confident numeracy, mathematical and problem-solving skills which can be applied to real-life situations.