



SIR JOHN NELTHORPE SCHOOL
A Community Empowered

RESPECT - RESILIENCE - INTEGRITY

MATHEMATICS FACULTY: OUR VISION FOR EXCELLENCE

The Core Philosophy

At Sir John Nelthorpe School, we believe that Mathematics is not just a subject on a timetable; it is the universal language of logic, problem-solving, and discovery. Our vision is to foster a faculty where every pupil—regardless of their starting point—develops the mathematical fluency and resilience to navigate an increasingly data-driven world.

Our Strategic Pillars

- 1. Mastery and Depth (Key Stage 3)** We move away from "surface learning." Our curriculum is designed to ensure pupils have a deep, conceptual understanding of mathematical principles before moving on. We aim to bridge the gap from Primary school by building confidence in numeracy while rapidly introducing the abstract beauty of algebra and geometry.
- 2. Ambition and Achievement (Key Stage 4)** We hold the highest expectations for our GCSE cohorts. Our goal is to ensure that every pupil is challenged. We don't just teach to the exam; we teach for retention and application, ensuring that our pupils are prepared for the "unseen" challenges of modern terminal assessments.
- 3. The Gateway to the Future (Key Stage 5)** Our A-Level and Further Mathematics provision is a jewel in the school's crown. We aim to inspire a significant proportion of our pupils to pursue STEM subjects at University. The faculty serves as a hub for advanced mathematical thinking, where pupils are encouraged to explore the links between Maths, Physics, Engineering, and Economics.
- 4. A Culture of Collaborative Professionalism** As a leader in this faculty, you will inherit a team that values **shared planning** and **peer observation**. We believe the best "CPD" happens in the corridor and the department office—discussing a specific problem-set, sharing a successful starter, or moderating a piece of work together.

What We Seek in Our New Head of Faculty

We are looking for a leader who will:

- **Elevate the Profile of Maths:** Make Mathematics visible across the school through challenges, competitions (UKMT), and cross-curricular links.
- **Harness Technology:** Intelligently integrate digital tools (such as Hegarty/Sparx, Desmos, and GeoGebra) to enhance learning without replacing the vital role of the teacher.
- **Champion Inclusivity:** Ensure that our SEND and disadvantaged pupils receive the targeted, high-quality support they need to close the attainment gap.

"Mathematics is the music of reason." At Sir John Nelthorpe, we want our pupils to hear that music clearly. We invite a leader who has the passion, the expertise, and the drive to make this vision a daily reality in every classroom.