



## Matravers School The Maths Department

### Mathematics Department Overview

The Mathematics Department at Matravers School provides excellent teaching and learning for all pupils in our care, with outcomes improving year on year. As a department, we are committed to delivering a broad, balanced and developmental curriculum that meets the diverse needs of our students.

We place a strong emphasis on developing each individual's mathematical knowledge and skills at a level appropriate to them, ranging from functional numeracy through to complex mathematical reasoning. This approach ensures that all students are well prepared to take the most appropriate and successful pathway when they leave full-time education.

Our department is made up of a lively, supportive and highly motivated team of specialist teachers. All staff are actively encouraged to contribute to the ongoing development of the department, driving forward improvements in teaching and learning as part of their own continuing professional development (CPD).

All team members benefit from having their own teaching base, equipped with state-of-the-art technology within our brand new multi-million-pound STEM Centre. Teachers also have regular access to fully equipped computer rooms and classroom laptops, supporting effective and engaging lessons.

### Curriculum Provision

**Key Stage 3 (KS3):** Students are organised into streams based on ability. We have adapted the White Rose Maths scheme to create a bespoke curriculum tailored to the needs of our learners. Lessons are carefully designed around the principles of mastery and deliberate practice, ensuring students develop secure understanding and confidence in key concepts.

The department has also designed its own assessments to allow teachers to quickly and accurately identify gaps in knowledge, informing future teaching and targeted intervention. All KS3 homework is set and monitored using Sparx Maths.

**Key Stage 4 (KS4):** All students follow the AQA GCSE Mathematics specification. Pupils are set by ability, with approximately half of the cohort entered for the Higher Tier and the remaining students entered for the Foundation Tier.

KS4 lessons closely follow the White Rose Maths scheme of work, ensuring clear progression and preparation for GCSE examinations. Homework is mainly set using Sparx Maths, with additional written homework provided for Year 11 students to support exam preparation and independent study.

**Key Stage 5 (KS5):** At Key Stage 5, the department offers both Edexcel A Level Mathematics and Further Mathematics. These courses build on students' prior learning and equip them with the skills and knowledge required for higher education, apprenticeships, or employment in mathematically demanding fields.