

Level 3

Mathematical Studies

at The Warriner School



Level 3 Mathematical Studies

Entry requirements: GCSE Mathematics at Grade 5 or above.

Exam board: AQA

What is Mathematical Studies?

Mathematical Studies is a Level 3 qualification for students who achieve a Grade 5 or above at GCSE Maths and wish to extend their understanding and use of Maths beyond the scope of GCSE. The qualification is designed to offer an alternative approach to the technical and often quite abstract nature of A-level Mathematics, providing instead the opportunity to explore the applications of Mathematics in various real-life contexts.

The course has been developed with employers, universities and professional bodies as valuable preparation for higher education and employment.

What is involved?

The AQA course involves compulsory content (covering data analysis, maths for personal finance, estimation and the modelling cycle, and critical analysis), and a choice of optional content, which can be determined by the needs of the group enrolled each year. This involves a choice between a more advanced study of statistics and probability, critical path and risk analysis, or rates of change and exponential functions. Each of these choices offers content which overlaps with elements of AS level Maths.

The skills and understanding developed in studying the applications of mathematics are increasingly important in the workplace and in higher education; Mathematical Studies will help you keep up these essential skills. Most students who study Maths after GCSE improve their career choices and increase their earning potential.

Why enrol on Mathematical Studies?

The Higher Education STEM project, investigating the mathematical and statistical requirements in undergraduate disciplines, reported that many students arrive at university with unrealistic expectations of the mathematical and statistical demands of their subjects which leads to a lack of confidence and anxiety from the students.

This course has been introduced to address these issues and, importantly, carries the same points as an AS Level towards your UCAS application.

Where will Mathematical Studies take me?

Mathematical Studies is a relatively new course but already several universities have come out in strong support of it. Even subjects like History now recognise the importance of statistics and so a Level 3 Mathematical Studies qualification will help you hit the ground running at university.

Employers from all different sectors are also firmly behind the Level 3 Mathematical Studies qualification. Many roles in today's workplace require high levels of budget management and problem-solving skills; Mathematical Studies will be a useful tool in equipping you with these skills.