

Roundwood Park School: Mathematics Department

A Level Mathematics

Following the Edexcel specification, this course builds on many GCSE maths concepts such as coordinate geometry and trigonometry, whilst introducing new topics such as calculus. It also covers the applied mathematical disciplines of statistics and mechanics. For those with good algebraic fluency it offers a rewarding and satisfying option.



COURSE STRUCTURE AND ASSESSMENT		
Assessment	Exam Breakdown	
3 x 2hr exams at end	Exam 1 –	
of Yr 13	Pure Mathematics 33.3%	
(No Coursework)		
	Exam 1 –	
	Pure Mathematics 33.3%	
	Exam 3 –	
	Statistics & Mechanics	
	33.3%	
	Assessment 3 x 2hr exams at end of Yr 13 (No Coursework)	

This course is taught in 5 x 1 hour lessons a week, usually across 2 teachers. Students are expected to undertake an additional hour of study (either independently or on work set by the class teacher) for each hour taught. It is recommended that students wishing to take A Level Mathematics have a GCSE grade of 7 or higher.

A Level Mathematics is a standalone subject that complements any combination of A Levels studied. Students often choose it alongside traditional pairings such as one of the sciences, however a need to study Physics is not required to understand the mechanics content of the course and many find the statistics content beneficial in social science subjects or geography. Remember, some of the greatest mathematicians historically were also philosophers or musicians!

An A Level in Mathematics will usually be required in order to undertake any STEM subject degree. It is also useful for computing pathways and financial careers and it will be regarded highly by any future employer. However, greater success is usually achieved by those who choose the subject simply because they enjoy it and appreciate the beauty of the perfection of mathematics. When you solve a mathematical problem, there is no better sense of satisfaction!

Contact for further queries: c.davies@roundwoodpark.co.uk