



Mathematics AS/A level

The course gives a good introduction to all the main areas of Mathematics. Studying AS or A level Mathematics is essential in accessing a wide range of degree courses.

What is the course content?

Both A level and AS Mathematics have a simple 2:1 ratio of pure to applied content.

Pure Mathematics covers the fundamental concepts and skills required to solve problems from a mathematical standpoint. It builds on many of the A & A* topics covered at GCSE. Key topics include Mathematical Proof, Functions, Differentiation and Integration.

Applied Mathematics is made up of Statistics and Mechanics components. Statistics involves studying techniques for analysing and drawing conclusions from data. Mechanics is a branch of Mathematics which deals with the action of forces on objects.

How is the course assessed?

A level Mathematics will follow a simple three-paper model, with defined content and calculator usage allowed in all three papers.

AS-level Mathematics will follow a simple two-paper model where AS paper 1 assesses the same content as A level paper 1, but at an AS level of difficulty.



THE RODILLIAN ACADEMY

POST 16

Qualification	Component	Overview	Assessment
A level Mathematics	Paper 1: Pure Mathematics 1	AS content assessed at A level standard	2 hours 100 marks
	Paper 2: Pure Mathematics 2	Remaining pure content which builds on and incorporates AS content.	2 hours 100 marks
	Paper 3: Statistics and Mechanics	Section A: Statistics (50 marks) Section B: Mechanics (50 marks)	2 hours 100 marks
AS level Mathematics	Paper 1: Pure Mathematics	Content aligned to Paper 1 of A level Maths, assessed at AS level standard	2 hours 100 marks
	Paper 2: Statistics and Mechanics	Section A: Statistics (25 marks) Section B: Mechanics (25 marks)	1 hour 50 marks

Future Opportunities

Mathematics is a versatile and well respected subject and is helpful or essential in gaining access to many University courses and careers such as Medicine, Economics, Physics, Chemistry, Pharmacy, Engineering, Veterinary Science and many more.

Key Contact

For further information, please contact L Arden at larden@rodillianacademy.co.uk