



A Level Mathematics

Examination Board: EDEXCEL

Contact Teacher: Mr Darton

Course Details and Assessment

The A Level Mathematics course has a strong focus on combining pure and applied mathematical skills. These components of the course are externally assessed at the end of the final year with three two hour exams. The course will cover pure mathematics, statistics and mechanics.

The course will cover the following key mathematical topic areas:

AS Course	Full A Level
Algebraic manipulation and proof Functions Differentiation Integration Trigonometry Vectors Exponentials and logarithms Co-ordinate geometry Sequences and Series Statistical sampling Probability Kinematics Newton's laws	Developed AS content Numerical methods Moments

The course is assessed in the following way:

Students who wish to achieve qualifications in Mathematics must complete the assessments listed below in the final year of study i.e. 2 exams at the end of year 1 for AS Level or 3 exams at the end of year 2 for A Level:

AS Level			A Level		
Assessment	Outline	Grading	Assessment	Outline	Grading
Paper 1 2 hours	Pure mathematics	62.5%	Paper 1 2 hours	Pure mathematics	33.33%
Paper 2 1 hour 15	Statistics and Mechanics	37.5%	Paper 2 2 hours	Pure mathematics	33.33%
			Paper 3 2 hours	Statistics and Mechanics	33.33%

Career/Higher Education	Entry Requirements
Mathematics related university courses Physics, Engineering, Actuary Accountancy, Economics, Medicine Social science, Geography, Geology Architecture, Computing .	Grade 7 or above at GCSE Mathematics, high Grade 6 will be considered.

“Pure mathematics is, in its way, the poetry of logical ideas.” Albert Einstein