



**ALEC REED
ACADEMY**
PROUD TO LEARN

Maths A LEVEL

Course Description

Mathematics at Advanced Level continues the study of number, algebra, shape and data as begun at GCSE level. New ideas introduced include calculus and solving trigonometric equations. The idea and use of algebra and more complex mathematical proof also becomes increasingly important.

Course Content

The Advanced level course covers three key areas of Mathematics namely: Pure Mathematics, Statistics and Mechanics. Candidates must pass all 3 of the units to qualify for an award.

Scheme of Assessment

The Advanced GCE in Mathematics consists of three externally examined papers.

Students must complete all assessments in May/June.

Paper 1 and paper 2 assess topics from the Pure Mathematics content. Each of the two papers is a 2-hour written examination and accounts for 33.33% of the qualification. The maximum mark achievable per paper is 100.

Paper 3 is a 2-hour written examination and accounts for 33.33% of the qualification. Paper 3 will contain questions on topics from the Statistics content and Mechanics content of the specification. The maximum marks achievable in paper 3 is 100.



Examining Body: Edexcel

Entry Requirements

5 GCSEs 9 - 5 including a grade 6 in GCSE Mathematics

What equipment or materials do I need?

Textbook, all standard stationery, writing materials and folders. You will also need a scientific calculator able to perform iterative functions and the ability to compute summary statistics and access possibilities from standard statistical distributions.

Career Progression

Advanced Level Mathematics is very useful as a supporting subject to many courses at Advanced level and degree level, especially in the Sciences, Geography, Psychology, Sociology and medical courses.

“Maths develops your analytical and problem solving skills, helping you to enhance your logical thinking to tackle everyday issues”