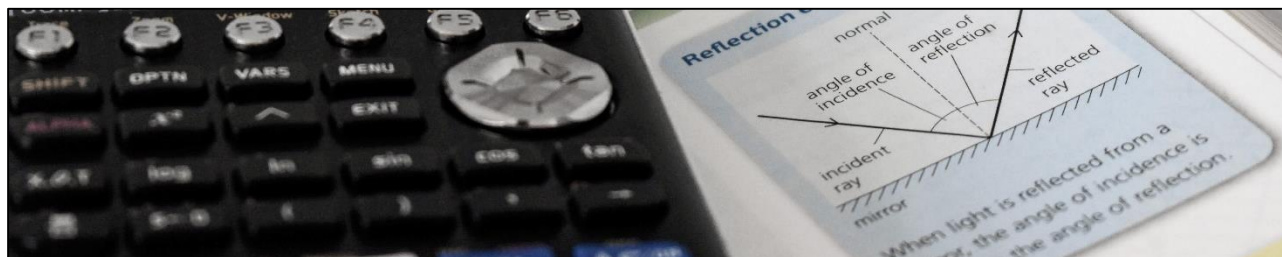# MATHS
A Level Mathematics

Examination Board: Edexcel
Subject Leader(s):   Miss S Eustis

Course Structure

Unit	Topics/Unit Title	Assessment	A Level(%)
1	Pure Mathematics 1	2 hour examination	33.3%
2	Pure Mathematics 2	2 hour examination	33.3%
3	Statistics and Mechanics	2 hour examination	33.3%

What does the course involve?

A-Level Mathematics is a highly desirable qualification that advances our students in their ability to manipulate and interpret algebraic, numerical and graphical problems. The course enhances and develops their ability to problem solve, and to construct arguments and proofs in contextual situations by using mathematical models.

Topic areas include:

- Graphical Transformations
- Advanced Trigonometry and modelling
- Exponential functions and logarithms
- Algebraic Manipulation and composite functions
- Calculus
- Vectors
- Mechanics
- Statistics

Further Study/Employment Prospects

As technology continues to advance, so too does mathematics, increasing its essential role in both everyday and corporate life. By studying Maths at A-Level, you will have the opportunity to forge a career that's at the forefront of technological advancement. Some of the most interesting and well-paid careers revolve around Maths. Careers in finance, medicine, engineering, and business are all open to people with a background in Mathematics, as are careers in technology — Maths being at the very core of all new technological developments.

For many STEM and economics degree courses or apprenticeships, A level Mathematics is an essential pre-requisite. For others, such as geography, ecology, computing and finance, studying A level Mathematics is very useful, as it helps to keep students' mathematical skills fresh, and it prepares them for the maths they'll encounter during a course such as this.

Some universities will be willing to lower their entry requirements if the candidate holds an A-Level in mathematics.

Entry Requirements

Grade 6 and above in GCSE Mathematics