

# Mathematics



## Course Overview

Each year is split into three main topics. All will be examined in June.

Core will be 66.6% of each qualification. It will include the pure maths topics such as: Proof, Algebraic Induction, Coordinate Geometry, Sequences and series, Trigonometry, Exponential and logarithms, Differentiation, Integration and Numerical methods.

Mechanics will be 16.7%. It includes topics such as Vectors, Kinematics, Moments and Forces/Newtons Laws.

Statistics will be 16.7% It includes topics such as: Statistical sampling, Probability, Hypothesis Testing and Statistical distributions.

AS		A2	
Exam	Title	Exam	Title
1	Core	1	Core
2	Statistics + Mechanics	2	Core
		3	Statistics + Mechanics

## How will I be assessed?

Regular testing at the end of each module. There will be an individual target/pass grade for each student.

Examinations in take place in June.

## What do I need to join?

Grade 6 minimum in Maths GCSE.

Motivation to succeed.

Proven ability in algebra topics.

## Where could this A Level take me in the future?

Essential for all maths, number based and engineering qualifications at further education institutes. Helpful for physics and many of the sciences.

It is a proven statistic that the average wage for people with A level maths is 10% higher than for those without.

## Staff contact:

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