

MATHEMATICS

Edexcel AS level specifications 8371

"Mathematics is, in its way, the poetry of logical ideas." - Einstein

Unit	Unit Title	Duration	Mode of Assessment	Weighting at AS
C1	Core 1	1 hour 30 minutes	Written examination	1/3
C2	Core 2	1 hour 30 minutes	Written examination	1/3
S1		1 hour 30 minutes	Written examination	1/3

Students wishing to study AS Mathematics will take 3 modules.

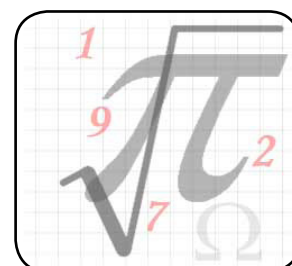
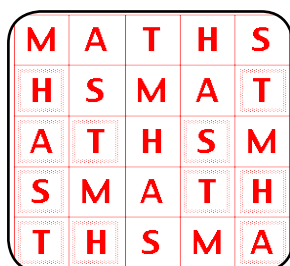
Mathematics at AS level is a stimulating and enjoyable subject to study in its own right. In addition, it is valued by universities and employers both as an essential component of many degree courses and careers and also as training in clear and logical thinking.

C1 and C2 are Pure Mathematics modules. They develop your knowledge in areas such as algebra, and also contain new concepts such as calculus, which have wide applications in real life. They provide a foundation for the study of Mechanics and Statistics, which again have important applications in the real world.

In addition, you will study one Applied Mathematics which will be Statistics 1.

Course Prerequisites:

A minimum of grade A in GCSE Mathematics is advisable.



MATHEMATICS

Edexcel A2 level specifications 9371

"Mathematics is, in its way, the poetry of logical ideas." - Einstein

Unit	Unit Title	Duration	Mode of Assessment	Weighting at AS
C3	Core 1	1 hour 30 minutes	Written examination	1/3
C4	Core 2	1 hour 30 minutes	Written examination	1/3
M1	Mechanics 1	1 hour 30 minutes	Written examination	1/3

Students studying A2 Mathematics will take a further 3 modules. You will have completed three modules in the Lower Sixth: Core 1, Core 2, and an Applied Mathematics module. In the Upper Sixth you will study three more modules: Core 3 and Core 4 are Pure Mathematics modules, extending your knowledge acquired in AS Mathematics. You will also study another Applied Mathematics module, Mechanics 1.

Students will have the opportunity to take part in the senior UK Mathematics challenge or to represent the school in inter-school competitions.

Revision days and sixth form lectures with other school provide opportunities to reinforce understanding or to extend independent learning.

