

Pearson A-Level Mathematics

Head of Department: Mrs. L. Wiles

Department Information

In the department we have six specialist A level Maths teachers.

Students are required to purchase their own course text that supports the teaching of the course.

Why study this course?

Studying Mathematics will:

- provide a stimulating and challenging course
- develop key employability skills such as problem-solving, logical reasoning, communication and resilience;
- lead to a versatile qualification that is well-respected by employers and higher education

Aims of the course

The aims and objectives of this qualification are to enable students to:

- understand mathematics and mathematical processes in a way that promotes confidence and fosters enjoyment
- extend their range of mathematical skills and techniques, understand progression in mathematics and how different areas of mathematics are connected
- construct mathematical proofs
- recognise when mathematics can be used to analyse and solve a problem in context
- take increasing responsibility for their own learning and the evaluation of their own mathematical development

Course outline

The Edexcel Level 3 Advanced GCE in Mathematics consists of three externally examined papers.

Students must complete all assessment in May/June in any single year.

The first 2 papers focus on Pure Mathematics and the third looks at the applied units of Statistics and Mechanics.

How am I assessed?

Progress is monitored by regular synoptic tests and assessed home works. There are also mock exams for each module as the time for exams approaches.

There are 3 equally weighted exams at the end of the course.

Where does this course lead?

Universities welcome this subject for applications to study a wide range of degree courses.

Career opportunities include Engineering, Business, Finance, Medicine, Statistics, Teaching, Lecturing, Law, Technology, Computing, Science.