



Maths

Qualification type: Level 3 Advanced GCE in Mathematics

Exam Board: Edexcel/Pearson

What will I learn?

Within the Edexcel specification, content is categorised into two areas: Pure Mathematics and Applied Mathematics.

Within Pure Mathematics you will spend the first term building on your GCSE understanding studying specific areas within algebra, equations, and graphs before moving onto coordinate geometry and circles.

From January you will explore transcendental functions (functions which cannot be described using polynomial equations) within trigonometry, exponentials, and logarithms.

Late spring you will be introduced to calculus relating all your previous topics studied. Meanwhile, within your Applied studies you will spend time studying both mechanics and statistics.

In Year 13 you will study both polynomial equations and transcendent functions at a deeper level before studying series and sequences, parametric functions, and radians.

How is my work assessed?

This course is taught over two years, with an option to take an AS in May of the first year but does not contribute towards your A level.

A2 Mathematics

Each paper is 2-hour written examination worth 33.33% of the qualification.

- Paper 1: Pure Mathematics 1 (Paper code: 9MA0/01)
- Paper 2: Pure Mathematics 2 (Paper code: 9MA0/02)
- Paper 3: Statistics and Mechanics (Paper code: 9MA0/03)

Why is this course useful and what might it lead to?

Universities and higher-level apprenticeships value A level Maths and it's a requirement for a huge number of academic destinations within both Health and Life Sciences, and Engineering Industries.

Entry requirements

A grade 7 in GCSE Mathematics

Where can I find out more information?

<https://qualifications.pearson.com/content/dam/pdf/A%20Level/Mathematics/2017/specification-and-sample-assesment/a-level-l3-mathematics-specification-issue4.pdf>
[ications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html](https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html)