

Specification

Exam Board— Edexcel

<http://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html>

Entry requirements

GCSE Grade 7 or above in Mathematics

For further details please contact

Miss S Chalcraft, Head of Mathematics

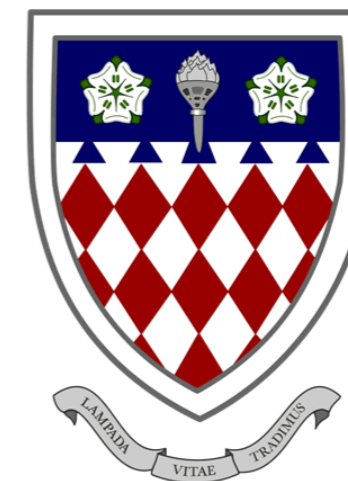
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Spalding High School Sixth Form

A Level Mathematics



Why Choose A Level Mathematics?

A level Mathematics is an interesting and challenging course which extends the methods students learned at GCSE and includes additional applications of mathematics, such as Statistics and Mechanics. Mathematics is a subject that is highly desired by universities and employers alike.

The new 2017 syllabus, more than ever, promotes logical and analytical thinking, incorporates the use of ICT to model situations mathematically and through development of these skills, facilitates their ability to move on to higher education/training in the STEM subjects.

The skills students learn in A level Mathematics are of great benefit in other A level subjects such as Physics, Chemistry, Biology, Computing, Geography, Psychology, and Business Studies.

Through solving problems students develop resilience and are able to think creatively and strategically. The writing of structured solutions, proof and justification of results help them to formulate reasoned arguments. Importantly, they will have excellent numeracy skills and the ability to process and interpret data.

What is the content of the course and how is it assessed?

The course will be assessed at the end of the two year course by three 2 hour papers. Each paper represents one third of the qualification and each paper is worth 100 marks.

Paper 1 – Pure Mathematics 1 – 9MA0/01

Paper 2 – Pure Mathematics 2 – 9MA0/02

Paper 3 – Statistics and Mechanics – 9MA0/03

The booklet 'Mathematical Formulae and Statistical Tables' will be provided for use in the assessment.

Calculators will be required for each paper.

What do our students say about A Level Mathematics?

'The logic behind mathematics supports a wide range of subjects within the school curriculum.'

'Maths is fun!'