



Abbey Gate College  
Sixth Form



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# Further Mathematics

## Edexcel

### Why study this at A Level?

The main reason would be because you love Mathematics. Further Maths provides a wider and deeper understanding of the ideas covered in A Level Mathematics, while introducing new concepts as well.

*You also have the opportunity to choose additional topics that suit your strengths and interests.*

*Unsurprisingly, Further Mathematics is highly regarded by universities and employers.*

### Course Content and Assessment

*Edexcel A Level Further Mathematics fall into two categories of content:*

#### **Core Pure**

- Complex Numbers, Matrices, Vectors, Hyperbolic Functions, Polar Coordinates, Differential Equations

*And choice of two optional papers from the following:*

**Further Mechanics, Further Stats, Further Pure and Decision**

### Skills obtained

- *Mathematical and statistical problem solving, data analysis and interpretation skills, which are considered valuable in a broad range of subject areas.*
- *Careers in finance, medicine, engineering, and business are all open to people with a background in Mathematics.*

Our students have gone on to pursue a number of related university courses including Engineering, Economics, Physics, Computer Science, Statistics, Geography, Actuarial Science and, of course, Mathematics

#### **Assessment**

*The A level course is assessed in its entirety at the end of Year 13 through a total of four papers:*

- *Two consisting of the Core Pure content, One for each of the Optional papers.*

*Each of the papers is 90 minutes in length.*