

# FURTHER MATHEMATICS

PEARSON EDEXCEL | 8FM0 (AS LEVEL) / 9FM0 (A LEVEL)

If you are thinking of doing Mathematics at university or a highly mathematical course (such as Engineering, Finance, Chemistry or Physics), you will be at a considerable advantage if you do AS Level or A Level Further Mathematics.

*Please be aware that the AS Further Mathematics award is separate from A Level and will not count towards it. Pupils will be re-examined on AS content in the A Level examinations.*

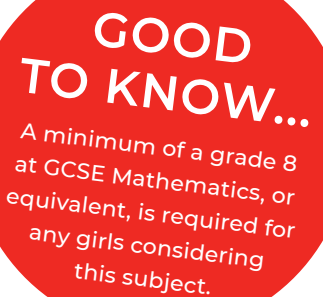
## THE COURSE

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Further Mathematics is an AS or A level qualification which both extends and deepens your knowledge and understanding beyond the standard A Level. As well as learning about new areas of pure mathematics you will study further applications of mathematics in statistics and decision mathematics.

### A LEVEL

- **Paper 1 - Core Pure Mathematics 1**  
25% (1 hr 30 mins)
- **Paper 2 - Core Pure Mathematics 2**  
25% (1 hr 30 mins)
- **Paper 3 - Further Statistic 1**  
25% (1 hr 30 mins)
- **Paper 4 - Decision Mathematics**  
25% (1 hr 30 mins)



**GOOD TO KNOW...**  
A minimum of a grade 8 at GCSE Mathematics, or equivalent, is required for any girls considering this subject.

## ASSESSMENTS

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### AS LEVEL

- **Core Pure Mathematics**  
50% (1 hr 40 mins)
- **Paper 2 - Statistics and Decision**  
50% (1 hr 40 mins)

## BEYOND THE COURSE

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Further Mathematics has always been associated with pupils wishing to read Mathematics or Engineering at university, but is rapidly becoming desirable or necessary for those wishing to study any form of Finance, Economics or Science at the top universities. It is recognised by all further education institutions as a very reliable indicator of the problem solving capabilities of the pupils taking it at AS or A Level, and employers also recognise it as not only a good indicator of mathematical ability, but of character traits relating to hard work and dedication to completing tasks, all very desirable in prospective employees.