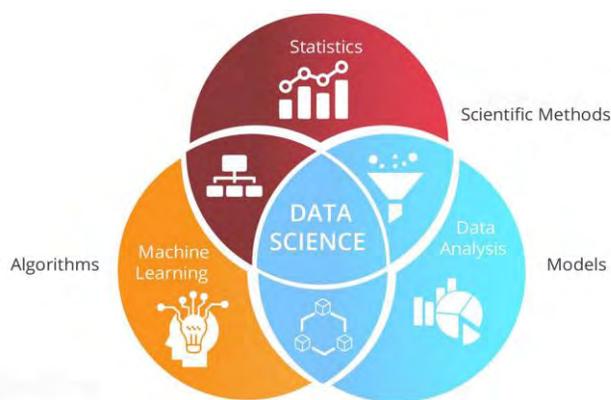


FURTHER MATHEMATICS A Level

Why Study This Course?

- You want to take your study of maths into new and exciting content
- You are considering studying Mathematics at University
- You love the challenge of solving problems and having to think deeply about the subject.
- You want to stand out from the crowd!



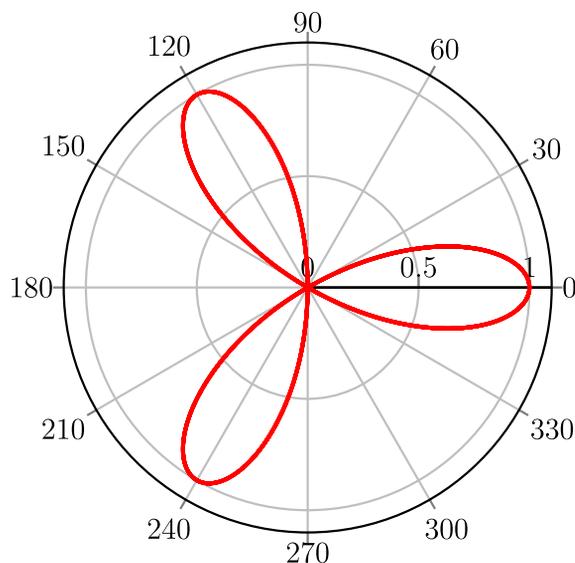
Career Progression

- Our choice of content for the Further Maths course is to prepare students to enter the growing fields of data science and machine learning (AI)
- Further Mathematics is also supportive for other subjects such as Engineering, Physics, and Computer science.
- Further Mathematics is advantageous when applying to top Universities for Mathematics degrees (although not essential)
- There is strong correlation between earnings and Mathematical skills.

What You Will Study

Further Mathematics consists of Core Pure which explores topics like vectors and algebra that have been touched on at GCSE but takes these much further. Students who took the level 2 certificate in Further Maths will recognise the topic of matrices which is extended well beyond content covered previously. Brand new content such as complex numbers, the polar coordinate system and advanced integration methods will challenge and interest students.

There are two applied elements of Further Maths – Decision and Statistics. These have been chosen as they provide the mathematical framework for the growing field of data science and machine learning. As such the course strongly compliments the Computer Science A level. Decision explores the mathematics of algorithms (the roots of programming), whilst the stats explores further distributions and hypothesis testing, useful in other subjects such as social and biological sciences (including medicine) and geography.



Why Parrs Wood?

We have the same vision, teaching approaches and resources for Further Maths as we do for A level Maths – please read these on the A level Maths guide.

In addition we offer small class sizes ensuring that all our Further Mathematicians get the 1-1/small group support that really enables them to make the progress required to succeed. This allows a more informal approach to study that allows the teacher to tailor-make the learning and resources to match the needs of the individual students.

AS Further Maths

Our Further Mathematicians will sit the AS at the end of the first year. This will enable them to 'bank' the first year in case they no longer wish to study 4 A levels but have benefitted from the insight into the subject.

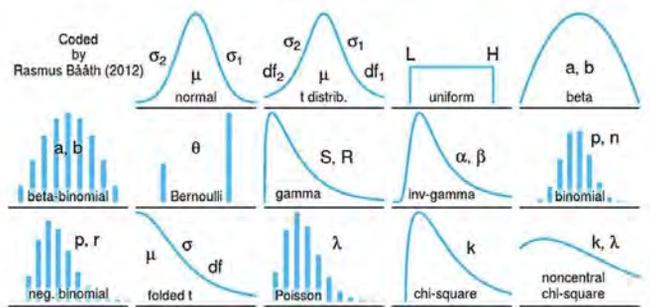
If you like this subject you may also like:

Physics, Maths, Economics, Computer Science

Why I chose Further Mathematics

“Having Further Maths A-level really distinguishes you from other students in a lot of ways, and is a real asset if you're thinking of applying to Oxbridge/ Imperial. In general you'll be able to handle other aspects of Maths much better if you have the firm grounding Further Maths gives you.” - Lydia

Probability Distributions



Exam Board: EDEXCEL