

A level Further Maths FAQ's



Will I be able to 'do' A level Further maths?

If you enjoy maths (especially algebra) and are going to achieve at least a grade 7 or above, then yes. If in doubt, speak to your teacher.

What does the course cover?

It covers more of the pure maths studied at GCSE and in the A level maths course and lots of algebra – you need to like and be pretty good at algebra!

We also look at two new branches of mathematics: Statistics and Mechanics. This is an extension of the statistics and mechanics that you look at in the A level maths course. Both of these help with any science and social science A level subjects being taken.

Here are some of the topics we cover:

Pure maths	Matrices
	Complex Numbers
	Polynomials
	Sequences & series
	Vectors
	Calculus
Mechanics	Forces & Motion
	Moments of forces
	Work, energy and power
	Impulse & momentum
Statistics	Sampling
	Discrete random variables
	Bivariate data
	Chi Squared tests

Is A Level Further maths hard?

It is challenging, however, it is also very rewarding. We look at the practical applications of the mathematics as well as doing lots of maths. The level of challenge is why we recommend a grade 7 or above in GCSE maths.

How much work will I need to do?

It is recommended that for every hour in class you spend 2 hours outside reviewing notes and completing homework tasks. That is why you do not have a full timetable.

Often students choose A level further maths as a 4th option. We are aware of this and try to cover theory and the majority of practice in class so you need to review and complete work.

What can I do after studying A Level Further maths?

Due to its reputation for being a challenging A level, studying A Level Further maths opens doors to MANY different careers and further education possibilities. Many universities look favourably on Further maths for access to their courses. Some examples are: Maths, economics, architecture, banking, teaching, veterinary medicine, psychology and IT to name but a few.

Who do I contact if I have more questions?

Please contact Mr Spreadborough, KS5 Lead at: kspreadborough@plymstockschool.org.uk

or Ms Marshall, Head of Department at: kmarshall@plymstockschool.org.uk