



A-level Maths & Further Maths

Thank you for considering taking A-level Maths and/or Further Maths!

A-level Maths builds on the skills you have developed at GCSE whilst diving deeper into topics that have helped shape the world that we know today.

The world is crying out for people with strong mathematical skills, such as for:

- Modelling the spread of diseases to inform decision making and treatment
- The invention of new technology in an ever demanding innovative world
- Performing statistical analysis on the development of new medicines.

FAQs

Q: I'm thinking of taking A-level Maths. What are the requirements?

A: We always ask any prospective Maths student the following:

1. Do you enjoy the subject?

You will be dedicating a lot of time to maths so it is important that you enjoy it!

2. Have you obtained a minimum of a grade 6 at GCSE?

Although A-level maths is a popular choice, it is still one of those demanding A-levels. More often than not, the better you performed at GCSE, the better you will perform at A-level. If you are only just getting a grade 6 at GCSE, we would not recommend taking A-level Maths. You must also have strong algebra skills for A-level. Speak to your Y11 Maths teacher if you are unsure.

3. Are you interested in a career involving Maths?

Mathematics is one of the most versatile subjects as many other subjects require strong mathematical skills. Although it seems far off, if you are thinking of going to university and have an idea on what you would like to study, it is worth looking now at what A-levels they require. Nearly all science and engineering degrees require A-level Maths.

Q: What can I be doing to prepare for A-level Maths and Further Maths?

A: Before starting A-level Maths in September, you must complete the Hegarty Maths transition list: [click here to download](#)

Mr Hegarty also made some live A-level prep lessons. These can all be found on YouTube: [click here for the full playlist](#)

Please be aware that because you have not sat a GCSE exam this summer, there will be an induction test during the first week of the new academic year.



Q: What do I need for A-level Maths and Further Maths?

A: You will need all the standard equipment, however you will require an A-level standard calculator: [the Casio fx-991 ClassWiz](#).

[A full list of equipment, as well as details of the induction test, can be found here.](#)

Q: I'm thinking of taking Further Maths. What does it entail and what are the requirements?

A: Further Maths is not more Maths. It is a higher level of Mathematics that also looks into more abstract concepts such as complex (imaginary) numbers.

If you are thinking of taking Further Maths, you must have achieved a minimum grade 8 at GCSE and have very high algebra skills.

If you take Further Maths, you must also take regular A-level Maths, therefore two of your A-level subjects will be dedicated to Maths (which isn't a bad thing!)

If you have any other questions, please contact our KS5 Coordinator Mr Modiri:
<mailto:lmodiri@penistone-gs.uk>

We look forward to seeing you soon!



The Quality in Careers Standard >>>>

Aim High



Be Determined



Be Brave



Be Supportive



Be Proud