Nower Hill 6th Form:

Inspiration, excellence, opportunity - a confident future

FURTHER MATHS
A Level

Who is the course for?

Further Mathematics both broadens and deepens the mathematics covered in A level Mathematics. For someone who has a passion and natural ability for mathematics, it provides a challenge and a chance to explore new and/or more sophisticated mathematical concepts.

Further Mathematics introduces new topics such as matrices and complex numbers that are vital in many STEM degrees. Students who have studied Further Mathematics find the transition to such degrees far more straightforward.

What can it lead to?

Further Mathematics qualifications are highly regarded and are warmly welcomed by universities. Students who take Further Mathematics are demonstrating a strong commitment to their studies, as well as learning mathematics that is very useful for any mathematically rich degree. Some prestigious university courses require you to have a Further Mathematics qualification. It is useful for entry to any higher education course and leads naturally to careers in accountancy, actuarial science, banking, economics and civil and mechanical engineering.

What are the entry requirements?

To study Further Mathematics, students must achieve Grade 8 or above in GCSE Maths.

Due to the difficult nature of this subject a test will be set after the first three weeks of teaching. This will be based on GCSE content and content covered in class during the first three weeks. One resit opportunity will also be given but if a student does not pass this test then it will not be possible to continue on this course. This test has been introduced based on clear evidence which shows that students who struggle with the initial content, often fail to attain a GCE pass at E or above. Moving students to a more suitable course will make attaining the entry criteria required to continue into Y13 and on to University more likely.

Are there any links to other courses?

This course provides links to other courses in particular all the AS science subjects, AS Computer Science, AS Economics and AS Business Studies, AS Psychology and AS Geography.

HARROW SIXTHFORM COLLEGIATE

What will I Study?

You will study the A level Mathematics specification in year 12

The A level Mathematics qualification can be awarded at the end of year 12 following **three** exams sat at the end of the year 12.

You will then study the A level Further Mathematics specification in year 13.

The A level Further Mathematics qualification can be awarded at the end of year 13 following **four** exams sat at the end of the year 13.

How will I be taught?

You will be taught through whole class teaching, classroom activities, demonstrations and small group work.

How will I be assessed?

Exams 100%

Dates of Assessments

A level Mathematics – Summer of year 12
A level Further Mathematics – Summer of year 13

What equipment or materials will I need?

Textbook, all standard stationery, writing materials and folders. You will also need a scientific calculator able to perform iterative functions and the ability to compute summary statistics and access possibilities from standard statistical distributions.
(Certain calculators with calculus and programming functions are not permitted in the exam)