

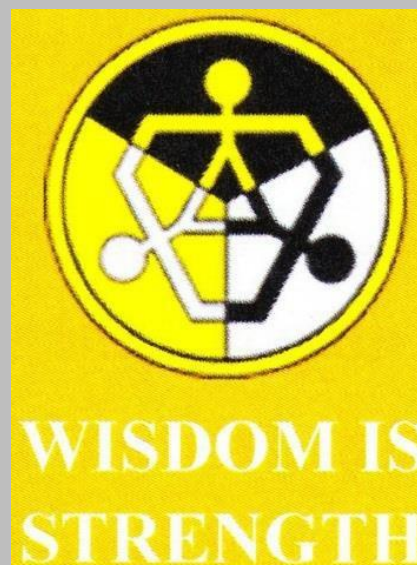
# KS5 Maths at Norlington 6<sup>th</sup> Form

## What Norlington Offers:

- Small classes, sizes not more than 15
- More 1:1 contact time with pupils
- Specialist, experienced & knowledgeable teachers
- Ambitious and dynamic sixth form
- Textbooks & online resources
- Schemes of work to suit most pupils

## What Curriculum

- AS level Mathematics (EDEXCEL)
- AS Level Further Mathematics (EDEXCEL)
- A Level Mathematics (EDEXCEL)
- A Level Further Mathematics (EDEXCEL)



### AS Maths components:

1. Paper 1: Pure Mathematics (62.5%)  
Test: Marks (100) Duration (2hours)
2. Paper 2: Statistics and Mechanics (37.5%)  
Test: Marks (60) Duration (1 hour 15minutes)

### A level Maths components:

1. Paper 1: Pure Mathematics ( $33\frac{1}{3}\%$ )  
Test: Marks (100) Duration (2 hours)
2. Paper 2: Pure Mathematics ( $33\frac{1}{3}\%$ )  
Test: Marks (100) Duration (2 hours)  
(Any pure mathematics content can be assessed on either paper)
3. Paper 3: Statistics and Mechanics ( $33\frac{1}{3}\%$ )  
Test: Marks (50 marks for section A Statistics and 50 marks for section B Mechanics) Duration (2 hours)

### AS Further Maths components:

1. Pure Core 1  
Test: Marks (80) Weighting (50%)  
Duration (1 hour 40 minutes)
2. Further Mechanics 1  
Test: Marks (100) Weighting (25%)  
Duration (1 hour 40 minutes)
3. Further Mechanics 2  
Test: Marks (100) Weighting (25%)  
Duration (1 hour 40 minutes)

### A level Further Maths components:

1. Pure Core 1  
Test: Marks (75) Weighting (25%)  
Duration (1 hour 30 minutes)
2. Pure Core 2  
Test: Marks (75) Weighting (25%)  
Duration (1 hour 30 minutes)
3. Further Mechanics 1  
Test: Marks (75) Weighting (25%)  
Duration (1 hour 30 minutes)
4. Further Mechanics 2  
Test: Marks (75) Weighting (25%)  
Duration (1 hour 30 minutes)

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## Why Further Mathematics at Norlington

- Enjoyable, rewarding, stimulating and empowering experience for most students.
- FM is a challenging qualification, which both extends and deepens knowledge and understanding beyond the standard A level Mathematics
- For those who enjoy maths, FM provides a challenge and a chance to explore new and more sophisticated mathematical concepts
- As well as learning new areas of pure mathematics it is an opportunity to learn further applications of mathematics in mechanics.
- Experience of students' shows an additional time spent studying FM boosts marks in A level mathematics as it consolidates and reinforces standard A level mathematics helping to achieve best possible grades.
- FM Makes the transition from 6<sup>th</sup> form to University for math rich degrees much easier as more of the 1<sup>st</sup> year content will be familiar.
- FM empowers students and when filling their applications for university or future employment allows them to distinguish themselves as able mathematicians
- Students who study FM are demonstrating a strong commitment to their studies and is highly regarded by Universities.
- Some prestigious University courses require FM and others may adjust the grade requirements favourable to students with FM.
- FM Qualifications identifies you as having an excellent analytical skill whatever area you are considering for your career.

At Norlington AS and A Level Further Mathematics are offered to students with adequate qualifications and skills to cope with the demand of the subject. Students are also able to take AS level FM alongside A Level maths in year 13.

A few of our current Further Maths Students' views on FM at Norlington

### Ali Loqmaan

"I have gained confidence already; this FM will help me with my studies at university. I like FM as it helps me to think outside the box."

### Muhammad Ahmed

"It involves complex ideas and helps to build skills and abilities to solve problems. This is useful for my future studies."

### Tehmoor Gull

"Small classes and FM made come back to Norlington. FM is required for my future profession. It is challenging and gives you the ability to think for yourself"

### Aadil Bhaiyat

"I enjoy learning new things opposed to expanding on previous ideas. As my 3<sup>rd</sup> choice I think it's easier than chemistry."