**Further Mathematics**

**A Level**

<table>
<thead>
<tr>
<th>AWARDING BODY</th>
<th>Edexcel</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPECIFICATION CODE</td>
<td>9FM0</td>
</tr>
</tbody>
</table>

**ENTRY REQUIREMENTS**

- 5 GCSE’s/Level 2s A*-C or equivalent, including GCSE English Language and GCSE Mathematics
- A/A* or 8/9 in GCSE Mathematics

**ABOUT THIS COURSE**

A-level Further Mathematics is designed to broaden and deepen the mathematical knowledge and skills developed when studying A-level Mathematics. It is a challenging qualification and provides a chance to explore new and more sophisticated mathematical concepts.

**WHAT WILL I LEARN?**

**AS Level**

You will study “core pure maths” which includes proof, complex numbers, matrices, algebra and functions, further calculus, further vectors. There is also an “option” unit, chosen from Mechanics, Statistics or Decision Maths.

**A Level**

You will study “core pure maths” to a deeper level that AS, together with further study into your chosen “option” unit. The option units can be “mixed and matched”, but are to be chosen from the same areas of maths as for AS Further Maths.

Further Maths is taken alongside Maths, so a high level of commitment is required on the part of the student.

**HOW WILL I LEARN?**

This is the second year of the new A level in Further Mathematics. There will be regular tests to monitor your progress and revision classes will be available.

You will be assessed as follows:

**AS Level (May/June 2019)**

You will sit two examinations: in Core Pure Maths, and in your “option” choice. The results will be totalled to give you a stand-alone AS Further Maths grade.

**A Level (May/June 2020)**

You will sit two Core Pure Maths examinations, with two further exams in your “option” choices. The results will be totalled to award you a full A level grade. Your AS grade will not count towards your A-level grade. Two years of work will be assessed.

**WHERE WILL IT TAKE ME?**

Further Mathematics qualifications are highly regarded and are warmly welcomed by universities. Students who pursue it are really demonstrating a strong commitment to their studies, as well as learning mathematics useful for any mathematically rich degree. Some prestigious university courses require you to have a Further Mathematics qualification and others may adjust their grade requirements more favourably to students with Further Mathematics. It enables students to distinguish themselves as able mathematicians in their applications for university and future employment.

If you are not planning to study for mathematically rich degrees but are keen on mathematics you will find Further Mathematics a very enjoyable course and having a Further Mathematics qualification identifies you as having excellent analytical skills, whatever area you are considering for a career.

**WHO TO TALK TO?**

Mr N Sharma at enquiry@bordgrng.bham.sch.uk