

Job Title: Teacher of Mathematics (A level and GCSE)

Department information:

Mathematics is the largest subject in the college and is currently taught by a dedicated staff of 11 full time and 17 part time teachers.

We use the OCR (MEI) specification for both A level Mathematics and Further Maths. Currently we have nearly 670 L6 students and almost 600 U6 A level Maths students.

There are currently 169 L6 Further Maths students and 124 in the U6. Approximately one quarter of the L6 cohort will sit the AS qualification this summer and not complete the full A level. In Further Maths students complete the compulsory Further Core component, together with Modelling With Algorithms and Mechanics Minor in Year 1. In Year 2 they choose between more Mechanics, extra Core Pure, Statistics or Further Pure with Technology.

We have been offering A level Statistics since September 2019, and are planning for two classes in each year group in September 2024.

We also teach the AQA GCSE resit course and currently have 116 students sitting their exams this summer. Students coming to college with a grade 3 will be automatically entered for the resit exams in November.

The department also offers 20 weekly maths workshop sessions and there are weekly extension activities for all students. Each year we have a large number of our students entering prestigious universities to study Mathematics or STEM subjects.

Examination results:

In 2023 67% of Maths A level students achieved A*-B, with a pass rate of 99% from a cohort of 622 students. In A level Further Maths, high grades were 85%, with a pass rate of 99% from a cohort of 116. 43 students sat the AS Further Maths qualification and the pass rate was 88.4% (62.8% high grades). The GCSE pass rate is consistently between 50 and 60%.

The majority of classes in the department are taught by a single teacher, although some are shared. There are interactive SMART whiteboards in all rooms and most lessons are taught in rooms with wall mounted whiteboards. Mini-white boards are habitually used.

We have an extensive Google site with our resources. Students have individual logins to MyMaths and the Integral learning platforms. We set some tasks from these sites but have a regime of weekly common homework for all courses.

Staff within the department have a wide range of teaching experience, including previous experience in the 11-16 sector. A full-time teacher usually teaches 22 lessons of 55 minutes, has a tutor group, delivers a subject workshop and an enrichment activity each week.

To support the Head of Mathematics, there is a Deputy Head of Mathematics. There are also subject leaders for GCSE Mathematics, Statistics and Further Mathematics.

Simon Woods
Head of Mathematics
March 2024

Catherine Bartlett
Director of Curriculum & Support