

Camden School for Girls Mathematics Department

The school has a long history of providing excellence in mathematics education to all students. The mathematics department is an experienced and large and stable team of 12 teachers. The department prides itself on its innovative approaches in the classroom and passion for mathematics. Camden School for Girls is a place for strong and dedicated mathematicians with 23% of students achieving a grade 9 at GCSE in 2023 and 22% achieving an A* at A level. Camden school for Girls has a large sixth form with over 450 students with 10 A level Maths groups and 2 Further Maths Groups, which year upon year are oversubscribed, as well as small MAT and STEP preparation classes, there is a great deal of interest and passion for high level, challenging mathematics at the school.

The last few years have been an exciting time for the department, as we have recently been developing much of our practice and developing new systems for feedback and assessment which are manageable for staff and formative for students. With a strong whole school teaching and learning focus and time dedicated to developing curriculum resources, the department achieves exceptionally high outcomes for a non-selective school. In 2023, the maths results were as follows:

A level: 31% A* 57% A* - A and 74% A* - B
GCSE: 53% Grade 9 – 7 and 89% Grade 9 - 4

In Years 7 through to 11 students work in ability groups with a small nurture group for students in greater need of support. A level Maths is taught in mixed ability groups. Students complete Sparx Maths homework from Year 7 – Year 11.

In Years 12 and 13 the Edexcel syllabus is followed. Emphasis is given to problem solving and developing core skills such as calculus and trigonometry, as well as tackling these skills in more complex questions involving modelling, proof or connecting topics. The Further Maths A level is very popular and students are taught in a separate class. They learn the A Level Mathematics content in their first year and the A Level Further Mathematics content in their second year. Further Mechanics 1 and Further Statistics 1 are taught with the compulsory content.

The enrichment offer for Camden School for Girls mathematicians is broad and ranges from problem solving clubs, to trips, activities and talks. The department work closely with the AMSP and have hosted coemptions inviting a number of schools across London. Each year the entries for all levels of the Maths Challenge are high with a number of Gold awards. At sixth form, in addition to MAT and STEP preparation classes, there are Masterclass programmes with visiting mathematicians, engineers and statisticians as well as a dedicated Oxbridge interview preparation and support.