

The Judd School Mathematics Department

The Mathematics Department is the largest and one of the most successful departments within the school. Mathematics is an extremely popular subject, taken by nearly 80% of Sixth Formers at A Level, of which a substantial number take Further Mathematics. The Department enjoys regular success with Oxbridge applications and many students distinguish themselves in the UKMT National Mathematics competitions.

The department constitutes a friendly and supportive group of twelve specialist teachers, all of whom teach throughout the age and ability range of the school. There are seven specialist classrooms and a central resource office.

Key Stage 3

Year 7 students are taught in mixed ability groups and are then banded into two accelerated groups and four working at normal pace for Year 8. This model continues in Year 9, but with an additional class added to reduce class sizes, so with three accelerated groups and four at normal pace.

Key Stage 4

A 'Top Set' two further accelerated sets are established in Year 10. The Department has developed schemes of work to challenge and stimulate the very many extremely able students at Judd. All boys are entered for higher tier GCSE, with the vast majority historically achieving grades 7, 8 or 9. The top 2 sets take an extra qualification; either the OCR Additional Maths (FSMQ) or the AQA Level 2 certificate in Further Mathematics.

Sixth Form

Over half of all maths teaching within the school is at A Level. Currently in year 12 we have 7 sets of single mathematicians and 3 sets of further mathematicians. We are studying the Edexcel board for A level Mathematics and OCR for Further Mathematics; the department usually achieves a pass rate close to 100%. Several of the Further Mathematicians, and a few others, prepare for Oxbridge entrance in Maths or Maths related subjects with considerable success.

GCSE Maths Results

	9	8	7	6	5	4
2022	43	65	41	31	9	-
2019	49	52	43	9	3	-
2018	52	51	36	16	2	-

A Level Results

2022	A*	A	B	C	D	E	U
Maths	53	38	19	33	15	9	2
Further Maths	18	13	4	1	1	2	-
2019	A*	A	B	C	D	E	U
Maths	42	45	26	7	4	1	2
Further Maths	14	10	4	1	2	-	-

Clinics and Extra-Curricular Activities

We aim to present Mathematics as a rigorous but exciting subject. To this end we run weekly activities and enter all the national maths competitions in considerable numbers.

Maths Clinic

Held every lunchtime and students attend on a voluntary basis. We do encourage students to use this facility, especially for catching up on missed work and sorting out any misunderstandings. The existence of the clinic allows us to press home the idea that students should take some personal responsibility towards their progress and is very useful when in discussion with parents.

Oxbridge & STEP

We support candidates who require help with preparation for the STEP examinations.

Extra Support Clinics

During study leave, two three-hour sessions are run on a weekly basis for any students in Years 11 and 13 who require extra help in a supportive environment. These have been popular and are staffed by two maths teachers.

Chess Club

Held every Thursday lunchtime; well attended by students throughout the school, and includes both training for team events and playing for fun. The chess teams have regular fixtures and have enjoyed great success across all age categories.

Puzzle Club

Held every Wednesday lunchtime; mainly attended by juniors with seniors helping to run it. Years 7 and 8 should be encouraged to go along and try out the puzzles, many of which are 'hands-on'. Students build up a profile, which is monitored by the senior helpers who also produce weekly puzzles.

Sixth Form Maths Society

Senior Maths Club is run by interested students and well attended. Here, sixth form students volunteer to present 20 – 30 minute talks on a mathematical topic which they are passionate about, usually containing topics which stretch beyond the A level syllabus.

If you would like any additional information, please contact Mrs Nicola Prendergast, Headteacher's PA; email personnel@judd.kent.sch.uk.

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