

KING DAVID HIGH SCHOOL MATHEMATICS DEPARTMENT

King David High School is a coeducational 11-18 Orthodox Jewish comprehensive school with about 770 students. Academic standards are very high at both GCSE and A level. In Summer 2024, 89% of students achieved grades 4+ at GCSE. A level A*-C grades were 83% in Maths and 100% in Further Maths.

The Mathematics Department consists of a team of nine subject specialists including part-time staff. The majority of lessons take place in suited accommodation and the department is well resourced. All teaching rooms are equipped with interactive whiteboards connected to the school network and the internet. We have access to an ICT suite and we use subject-specific software such as Desmos, Geogebra, Mathsbox, Mathspad and Mathswatch.

At KS3 we follow schemes of work based on the National Curriculum. We use the MEP scheme as the main resource with most of our students. We also have a good selection of other resources including a bank of problem solving activities.

At GCSE we enter our Year 11 students for the AQA 8300 specification. Our core resource is the Collins GCSE for AQA series of text books and all students have online access to these. In practice, teachers use a wide range of materials in their teaching.

This year, all Year 11 pupils were entered for GCSE Mathematics. We sometimes use the Edexcel Entry level Certificate with those students who cannot access the GCSE course. When appropriate, we also enter Year 11 students for extension qualifications such as the AQA Level 2 Certificate in Further Mathematics or the OCR Level 3 FSMQ in Additional Mathematics.

In the Sixth Form, students follow the OCR Specification B (MEI) course in Mathematics and Further Mathematics. Further Maths students study the Mechanics Major and Statistics Minor optional units. We also intend to offer Core Maths in September 2025.

We have a very good record of students progressing to read Maths and related subjects at top universities including Oxbridge, Imperial and Warwick. The department uses the Hodder scheme of books as a core resource and we also subscribe to the Integral website which provides comprehensive support for the course.

Students are encouraged to take part in competitions and challenges at junior and senior level and several clubs are in operation both at lunch-time and after school to provide enrichment and to help struggling pupils with their Maths. All staff are expected to contribute to these.

Although we are an academically successful school we are also a comprehensive school with an intake from the full range of ability, including students sitting Foundation tier Maths and plenty of borderline Higher tier students. We have a wide range of expertise in the department and are looking for a well-qualified and enthusiastic Mathematics teacher who can complement this.

Marek Milejski
(Head of Mathematics)