

### **The Mathematics department**

The Mathematics department is outstanding, routinely producing excellent results for all students in terms of attainment and progress. In 2022 at GCSE we achieved 85% Grade 4 and above, with an average Value Added of 0.39. The department is characterised by collaboration, mutual support, autonomy, and good humour. Mathematics is extremely popular with students. It is the most popular A Level subject in the school and students universally speak highly of their Maths teachers and of the department.

### **The curriculum**

Lessons are 60 minutes in length. There are 5 lessons per day. The college operates a ten-day timetable.

### **Key Stage 4**

The Key Stage 3 curriculum is completed by the end of Year 8 in our partner middle schools, with whom we have a very close working relationship. This enables us to start delivering the GCSE in Year 9. In Year 9, there are 10 classes each of which has 5 lessons of mathematics per cycle. Students are set by ability for the top 3 sets together with 2 mixed-ability classes in half year group blocks. All students follow the AQA GCSE 9-1 course. When students move into Year 10 they have 7 lessons per cycle.

### **Key Stage 5**

There are usually three groups of A level Mathematics students and a group of Further Mathematicians in both the Lower and the Upper Sixth. Mathematics is a very popular A level subject and has consistently good results, with many students studying mathematics or related degrees. Our A Level results in 2022 saw 100% Grade D and above with 41% Grade A/A\*, and an average Value Added of 0.91. Our Further Mathematicians achieved an average Value Added of 0.8.

### **Accommodation and resources**

Mathematics is taught in the department's purpose-built block and two refurbished classrooms. Each classroom has a projector and a traditional whiteboard, and there are plans to introduce some interactive televisions and extra whiteboards. The department capitation is generous.

### **Extra-curricular activities**

Students take part in the Senior and Intermediate Mathematics Challenges, and often a local Maths Feast competition. The department run catch up and revision sessions throughout the year.