

# MATHEMATICS AT WADDSDON

At Waddesdon we have a passion for Mathematics and its application in our students' lives. Enjoyment and a sense of real purpose, allied to high expectations, are at the heart of all that we do.

The department is very successful, with students

achieving excellent results over a number of years. We are proud of the progress that they make and the fact that in two of the last three years, our results have been in the top quintile for progression at Key Stage 4. Students achieve excellent results in all Key Stage examinations. For the last 3 years, results have remained very

high at GCSE, with 85%, 86% and 88% achieving grades 9 to 4 in 2018, 19 and 20 respectively.

We run several enrichment activities each year, including a FUN Maths Road Show for Years 7&8, an investigation into probability and the application of Maths at Warwick race course and a BP trading activity at Key Stage 4. Our students take part in the UK Mathematical Challenges at KS3, 4 and 5. Our KS4 and 5 students attend Maths Inspiration interactive lecture shows, where the UK's most inspiring

maths speakers presenting mathematics live in the context of exciting, real-world applications. After A Level students have progressed to study Maths, Engineering, Land Economy and Physics at Universities such as Oxford, Cambridge and other Russell group Universities.

The department is housed in 6 rooms, all of which are well resourced with texts and relevant equipment. The department has 6 digital projectors, 6 interactive whiteboards and visualisers.

This is a dynamic, highly regarded Maths Department which works effectively as part of an outstanding school, and in partnership with Higher Education Institutions such as the University of Oxford.

## DEPARTMENT ORGANISATION

### Years 7 and 8

In Year 7, students are taught in mixed ability groups for the first half term and follow an induction programme. After the first half term, setting is introduced for the remainder of Year 7 and

Year 8. Students follow the Key Stage 3 national curriculum, which has been designed to provide a solid basis before students begin the GCSE course in Year 9.

### Year 9-11

Students start and follow a GCSE course in Mathematics (Pearson Edexcel). Students are taught in sets throughout the 3 years.

### Years 12 / 13

An increasing number of students take GCE A Level Mathematics. Further Mathematics was introduced in September 2010. The Edexcel syllabus is used, with modules in Pure Maths, Statistics, Mechanics, Further Pure and Decision.

We work closely with our Primary colleagues and other Maths Departments in the area to improve standards in maths and promote a real appreciation of the



subject, for example running the annual Maths trails with Year 6 students, who are supported by our Year 8 students.

January, 2021

