



## **The Crypt School Mathematics Department**

The Mathematics Department is highly successful and one of the leading departments in this outstanding co-educational selective school. Academic results are very strong at both GCSE and A Level and all pupils make exceptional progress in their learning.

The Department currently comprises five full-time and three part-time Mathematics specialists and is housed in six specific teaching rooms, five of which are situated in the new Engineering block. In addition, there is a departmental office and book room which has been restocked with the latest version of the relevant textbooks. It is a strong desire of the Department to fully incorporate ICT into the Mathematics teaching; the Department is well stocked with laptops / iPads and we have either HDMI touch screens or electronic whiteboards in all the classrooms. The work of the head of mathematics is supported by a second-in-department, as well as a strong team of maths specialists.

### **Key Stage 3**

The department closely follows the new KS3 Curriculum and is developing closer relationships with the School's feeder schools in order to ensure that the transfer from Key Stage 2 is as productive as possible. Pupils receive seven one-hour lessons over the two-week timetable and the department uses the KS3 mymaths textbooks which follow the new curriculum. Many pupils are also entered for the Junior Mathematics Challenge and the most able for the Intermediate or Senior Challenges. Pupils are set by achievement from Year 8 onwards and movement up or down is reviewed regularly.

### **Key Stage 4**

Again, pupils are set by achievement into 6 sets, with the option of movement up or down and pupils receive six (seven in Year 10) one-hour lessons over the two-week timetable. We follow the AQA course (8300) entering students for the Higher tier or, in a few cases, the Foundation tier according to their achievement. Again, we are using the mymaths textbooks designed for the new GCSE curriculum. In addition, during Year 11 the top two sets take Level 2 Further Maths which helps with their transition to KS5. Many pupils take the Intermediate Mathematics Challenge and the best ones also attempt the Senior Mathematics Challenge.

### **A-Level**

The Department offers the AQA Specification. Mathematics is an increasingly popular subject and students are offered a variety of courses to suit their needs. In Year 12, 70 students take Mathematics and nine students take Further Maths. In Year 13, just under 50 students take Maths and eight take Further Maths. It is the Department's policy to share the A-level teaching equitably across all specialist staff, taking into account an individual's specific strengths and wishes.

## **Personnel**

The Department is successful and well resourced, and combines a healthy mixture of youth and experience. Morale is high and members of the Department have a 'can do' attitude with good communication skills. We continue to encourage professional development, particularly through external courses and this position offers the opportunity for comprehensive professional development within an established, well-qualified and well-organised Department.

The Crypt School

March 2019