

Headteacher:  
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## **Burnham Grammar School**

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### ***Embracing Challenge***

#### **BURNHAM GRAMMAR SCHOOL**

##### **The Mathematics Department**

The Mathematics Department is a popular and academically successful department achieving excellent KS4 results, with a 100% A\*- C pass rate in GCSE Mathematics and 82% A<sup>+</sup> - A in Further Mathematics. At A2, 63% of students attained A\*-B, well in excess of national averages.

##### **Department Staffing**

The department is currently fully staffed with enthusiastic specialist teachers, including, 5 full time and 2 part time teachers. In addition to the post of Director of Mathematics there are currently two further posts of responsibility in the department: Senior Assistant Director (responsible for KS5) and Assistant Director (responsible for years 7 to 9). This is a strong department which offers a close knit and supportive environment.

##### **Department Accommodation**

The Mathematics Faculty is housed in its modern new block of 4 classrooms, and a spacious office which has working space for the department, including its own printing facilities. The department has extensive storage facilities. All of the mathematics classrooms are spacious and light and are all equipped with interactive whiteboards (Promethean). The department is well resourced with the latest editions of 9-1 GCSE books and annual subscriptions to MyMaths and MathsBox.

##### **Mathematics Teaching**

All pupils are taught in mixed ability forms in year 7 and year 8. From year 9 to year 11 students are set according to their ability and movement occurs between sets as appropriate during an academic year. A programme of able, gifted and talented activities exists across the age range as part of our aim to inspire and extend all abilities.

At GCSE we follow the Edexcel linear course.

Maths at A level continues to be the most popular subject choice in the school, with approximately 100 students taking it at AS Level at present and 60 students at A2.

At AS Level: Edexcel Mathematics Syllabus - students sit Core Mathematics 1 and 2, plus Statistics 1.

At A2 Level: Edexcel Mathematics Syllabus - students sit Core Mathematics 3 and 4; plus Mechanics 1.

At AS & A2 Level: Further Mathematics. Students sit: FP1, FP2, FP3, M2, S2 and D1.

##### **Extra-Curricular**

We seek to provide extracurricular opportunities for pupils to engage with mathematics and numeracy at all levels. Able students in all year groups have the opportunity to take part in UKMT National Mathematics Challenge competitions, team maths challenges for years 8, 9 and 10. We regularly visit the Maths in Action lectures at the Institute of Education. We seek to invite external organisations and speakers into school to engage and motivate our students. We have good mathematical links with our local primary schools and regularly provide opportunities for our sixth formers to work with primary school children of all ages.