

## **Mathematics at Billericay**

The Billericay School Mathematics faculty consists of 13 members of staff, most of which are full time Mathematics specialists. Within the department there is a diversity of expertise, ranging from well qualified NQTs to experienced teachers. With a Head of Faculty and key stage coordinators, the structure within the department provides excellent opportunities for teachers to feel supported, progress and experience leadership roles. The department is based in a new office with 15 computers and a social space spread over two floors.

Mathematics GCSE results are above national averages; last August, 14 students achieved a grade 9, 80% achieved 9-4 and 56% 9-5. At KS5, students study an EDEXCEL course. Mathematics is one of the most popular subjects within our sixth form of 300 students, with approximately 50 students choosing to continue with Mathematics to A Level each year; we have been able to offer a wide range of A Level combinations and deliver modules in Further Pure, Mechanics, Statistics and Decision Mathematics. In recent years we have had as many as 20 students choosing A Level Further Mathematics. Last year, the subject was the best performing A Level in the sixth form, with 10 A\*s in A Level Mathematics and Further Mathematics in Summer 2018. Mathematics teachers are increasingly having the opportunity to contribute to other Level 3 courses including Economics, Finance, Engineering and Computer Science. The department is proud of its success with university applications and regularly helps students progress to universities including Oxbridge, Warwick, Bath and UCL to study Mathematics.

The department has fully resourced schemes of work for all new specifications and a wealth of creative resources to extend learning in Mathematics and incorporate cross-curricular opportunities. The faculty has its own suite of 30 computers, used solely for Mathematics lessons. Classes are timetabled for one computer room lesson per fortnight and extra ICT lessons are available on request. Mathematics classrooms are fitted with interactive boards, many equipped with HD projectors.

The faculty is renowned county-wide for its links with the Royal Institution and the success of the Masterclass programmes running at KS3 and 5, where students from leading schools across the county travel to Billericay for enriching and engaging Mathematics programmes.

