



**NORTHGATE**  
High School

# Mathematics Department Information



The Northgate Mathematics Department is well-regarded both within the school and across the county. We currently have 9 full-time and 7 part-time teachers, who are very supportive of each other and freely share ideas and resources.

Our schemes of work are key to the progress that our students make. The schemes are held electronically on the school computer system. This means that resources can be accessed in the classroom at the click of a button and avoids any chasing around looking for where something has been put! New resources are added regularly to help further engage the students in making positive progress.

The department is very well resourced. All dedicated mathematics classrooms have an interactive whiteboard and we have an extensive range of software to help engage, enthuse and enlighten the students. This software includes the Microsoft suite, MyMaths and Hegarty Maths, Omnigraph, Autograph 5 and Cabri-Geometre; Desmos is used for A level teaching.

Combining these three key components - high calibre, specialist staffing; innovative and engaging schemes of work; and excellent physical resources - has enabled us to achieve considerable academic success across the school. For example, in 2018, the Progress 8 score for maths was +0.55 and in 2019 it was +0.5 (+0.3 for disadvantaged students).

GCSE success, plus the fact that many students are attracted to study mathematics at Northgate in Year 12 after attending other schools in Key Stage 4, results in excellent take-up for A level mathematics. We have nearly 60 students embarking on A Level mathematics in Year 12 and we also typically have a group of 14 or so A Level Further Mathematicians, with 50% or more of these students achieving a double A grade or better in 9 of the last 10 years.