



# Mathematics Department Information



The Northgate Mathematics Department is well-regarded both within the school and across the county. We are currently a team of 14 maths specialist teachers, some full-time and some part-time teachers. As a team, we are very supportive of each other and freely share ideas and resources, collaborating often around best practice.

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.

The department is very well resourced. All dedicated mathematics classrooms have an interactive, smart, ProWise panel and we have an extensive range of software to help engage, enthuse and enlighten the students. This software includes the Microsoft suite, Mathsbox, Sparx Maths and MyMaths; Desmos is used for A level.

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.

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 67 students embarking on A Level mathematics in Year 12 and we also have 23 A Level Further Mathematicians, with more than 50% or more of these students achieving a double A grade or better since the introduction of the new syllabus.