

Welcome to

Maths



What will you learn about in math?

The mathematics department vision is to "create a positive learning atmosphere, making sure every student enjoys maths and looks forward to their maths lessons". We feel like making maths accessible to all is a key part of our job and at KS3 in particular, we try to bring in aspects of real-world maths into the curriculum to encourage this. In maths we focus on deeper understanding taking a "mastery" approach to learning. This means we challenge students to think laterally and tackle non-standard problems using maths topics and skills from the national curriculum. This results in students learning more than just procedural knowledge and means they can apply what they've learned to different types of problems. In year 7 for example, our first topic is an introduction to algebra which not only breeds fluency as students' progress through KS3 and into KS4, but also allows us to weave algebra into other topics allowing students to experience the abstract alongside as well as algebra in a real world context. Outside of the classroom we have a code breaking club, we regularly participate and compete in the UKMT Maths Challenge and at KS3 we do Timestable Rockstar competitions and also run an after school weekly maths club.

Why is it so important to study 'subject'?

Studying mathematics is much more than just learning how to solve a simple maths problem, or how to become effective with day-to-day calculations. Not only will studying maths teach these things, but it also teaches the skills to tackle scientific, mechanical, coding and abstract problems. It will also help develop logical reasoning to tackle everyday issues like planning projects, managing budgets and even debating effectively. This is why maths is a core subject and is an essential requirement for so many further courses of study at college at university. Maths can also lead you into a variety of exciting career opportunities in research such as scientific, medical, artificial intelligence and statistical, or different sectors of engineering like nuclear engineering or aerospace engineering, or could even lead to work as a computer game designer, app designer, meteorologist or getting a job in the financial sector. The possibilities really are endless.

GCSE Results 2020

Name	Entries	9 - 4 %	9 - 5 %	9 - 7 %
Maths	305	84%	65%	30%
Further Maths	48	100 %	100 %	85%

Department Leadership



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