



Teacher of Mathematics

"Life in all its fullness" (John 10:10)

"We aim to create independent learners, who approach mathematics with resilience and ambition; we look to equip them with problem solving skills which will prepare them for their future."

Maths is a skill for life and the Maths department understand the importance of their subject in ensuring that students are well prepared for their future whilst ensuring that each student is treated as an individual. The Maths team endeavor to both support those students that require additional guidance as well as extend the most able and encourage them to pursue mathematics at A-Level and beyond.

At Key Stage 3, students have 7 lessons of Maths each fortnight which focus on developing and securing their understanding. At GCSE, where students have 8 hours a fortnight, where they build on these foundations following the Edexcel syllabus. Our students have enjoyed great success at GCSE in recent years with the percentage of students achieving at least a Grade 4 being significantly above national averages. A-Level Maths is highly regarded by students in our sixth form and the success at GCSE has led to a very strong A-level cohort year on year. We follow the Edexcel course, with Further Maths being offered to our most able mathematicians.

Following a recent curriculum review, we are embedding the mastery methodology into our approach, with built in cross topic problem solving weaved throughout the five-year journey which will give students opportunities to retrieve and apply past knowledge. The retrieval of key facts will also be in every lesson through 'Do Now!' tasks. Use of tier three Mathematical language will play a key role within students learning to ensure understanding and reduce misconceptions. The mastery program is supported by targeted key skill lessons, which are both year group and ability appropriate. These sessions will include a mix of recovery interventions, investigative extensions and core number skills, dependent on the group's needs.

The Maths department benefits from a suite of recently refurbished classrooms which are bright, spacious and well-equipped. We are fortunate to have a comprehensive range of resources available so that students can discover mathematics through a variety of ways; this includes ready access to an ICT suite within the department. We subscribe to a range of e-learning packages to aid student engagement such as Hegarty Maths.

We are a creative and innovative team and value collaboration with others. We invest well in the development of each individual and regularly engage with expert practitioners. For example, two colleagues are currently undertaking the 'Mastery Programme' with the local Maths Hub. However, we also pride ourselves on our supportive nature and we will regularly share our skills and expertise so that students can benefit from the best teaching available, and staff can better manage their work-life balance.

Extra-curricular opportunities are an important part of learning and we ensure students have access to these opportunities both inside and outside our school community. Our students regularly take part in the UK Maths challenge, and we have seen increasing success year on year. More widely, we have looked for innovative ways to bring maths to life for our students and have delivered workshops and activity days on problem solving and maths in context. These opportunities have helped to establish a healthy respect for the subject amongst our student body and a genuine enjoyment of the subject.