

Department Aims

The Maths department aims to provide students with the opportunity:

- To achieve challenging targets, with high expectations for all learners
- To investigate, to make generalisations and to solve problems
- To use maths in real life and abstract contexts
- To experience a variety of approaches to teaching and learning which engage and motivate learners
- To explore enrichment opportunities outside the curriculum which enhance learners' enjoyment of mathematics
- To develop an understanding and application of maths for the world of today

KS3 Curriculum Information

The department delivers the National Curriculum using a variety of resources and activities to engage and motivate pupils and to encourage their active participation.

Students are assessed regularly by their class teacher and are then set subject-specific targets. We monitor individual student progress so that set changes can take place at appropriate times throughout the year.

Ongoing Independent Learning Tasks are set to consolidate and develop understanding of classwork and to develop pupils' independent learning skills. These tasks are completed online using the 'Hegarty Maths' website and progress can be monitored both by parents and teachers.

KS4 Curriculum Information

GCSE Mathematics covers a wide range of basic mathematical knowledge and skills, grouped into five areas:

- Number
- Ratio
- Geometry & Measures
- Statistics
- Probability

Functional elements have been embedded into the course to ensure students have the skills they require to use mathematics in real-life contexts.

GCSE Mathematics 1MA1 Exam Board: **Edexcel**
100% examination (no coursework)
3 written papers – Non Calculator & Calculator

Specification Code: Linear 1MA1

- Higher Tier Grades Available: 4, 5, 6, 7, 8, 9
- Foundation Tier Grades Available: 1, 2, 3, 4, 5

Extra-Curricular Opportunities

Every year we enter students for UK Maths Challenge and achieve Gold, Silver and Bronze awards. We also send a team of our most able mathematicians to compete in the UK Maths Team Challenge.

Holiday revision classes are organised for students of all abilities to prepare them for GCSE examinations.

More Able students in Key Stage 4 attend A-level taster sessions provided by Further Education colleges.

Any Other Information

Links with Primary Schools

Teachers from our department provide local primary schools with Mathematical Workshops, where students are challenged with mathematical puzzles and investigations. We also invite Year 6 pupils to participate in our primary Maths Challenge