MATHEMATICS

CORE Subject

COURSE OVERVIEW

Studying maths at GCSE level is compulsory as it is a core subject. You'll develop the skills and knowledge to understand mathematical techniques, methods and concepts.

All students study Mathematics. It is one of the fundamental subjects underpinning all sciences and technology. We want students to see the learning of Mathematics as a lifelong experience, which will help them to approach situations with confidence. We want them to appreciate that Mathematics will be useful outside the classroom and can also be used to help in other GCSEs.

KNOWLEDGE & SKILLS DEVELOPED

You will study the following areas:

- Number
- Algebra
- Ratio, proportion and rates of change
- Geometry and measures
- Statistics and probability
- Using and applying the mathematics contained in the topics above to a range of problems.

Maths is an academically challenging subject where you will develop lots of skills and knowledge. Maths is one of the best subjects to develop your **numeracy**, **analytical**, **research** and **problem-solving** skills. Not only will studying maths help give you the knowledge to tackle scientific, mechanical, coding and abstract problems, it will also help you develop **logic** to tackle everyday issues like **planning** projects, **managing** budgets, **presenting** and **debating** effectively.

Qualification: **GCSE**

Awarding Body: **EDEXCEL**

ASSESSMENT METHOD

All students will follow the linear GCSE and complete three written exams at the end of year 11.

Of the 3 papers, one is non – calculator, the other two are calculator with all carrying equal weighting.

Foundation Tier grades 1 - 5 available, Higher Tier grades 4 - 9 available.

POST 16 OPPORTUNITIES AND CAREERS

Students who achieve a grade 6 or above can follow Maths A-Level, grade 7 or above Further Maths A-Level and grade 4 or above Core Maths at Kimberley.

Maths is one of a group of subjects known as the 'gang of four', which also includes chemistry, biology and physics. If you know you would like to do a science-related degree, you'll need to pick at least two of these when it comes to choosing your A Levels. New degree apprenticeships in sectors such as accountancy, banking and economics also place high value on this subject. It's not surprising that Maths is the most popular A-level choice.

Students who have studied maths at post 16 and at university have followed a variety of career paths including careers in accounting, medicine, engineering, finance, business, consultancy, games development, psychology, scientific research, computer programming, civil service, design, construction and astrophysics to name a few…

"The Maths department are always there to support whenever you need it."

Wootton Upper School