QEHS SIXTH FORM

MATHS

AQA A Level

ABOUT THE COURSE

The course is approximately two thirds pure maths, such as calculus, trigonometry and algebra and one third applied maths. The applied maths will be a combination of statistics and mechanics.

By studying A Level Mathematics, you will develop a superior understanding of key methodologies; be introduced to advanced principles and gain an immense amount of problem-solving skills which can be applied in future careers to good effect. Mathematics is the most popular of all A Levels taken in England as young people recognise that it's a highly desirable qualification that can help them achieve their aspirations for further study and their future career.

Choose Mathematics because you are good at it, because you enjoy it and because you want to do it. You are expected to practise a lot of the content independently.
You will quickly need to be confident in dealing with algebra, including quadratics, algebraic manipulation, (particularly with indices), graphs and inequalities. You must be willing and able to take responsibility for your own learning, seeking help when necessary.

ENTRY REQUIREMENTS

QEHS Sixth Form Admissions Criteria: A minimum of **36 points** across the best GCSE grades
Subject Entry Requirement: Grade 6 or above in GCSE Maths but we highly recommend Grade 7+

CAREERS

Students with good Mathematics A Levels are in demand for Science, Computing, Engineering and, of course, Mathematics degree courses. Careers in which a Maths A Level is useful include finance, architecture, insurance, statistics, medicine, engineering, computing.

QEHS
SIXTH FORM

Alumni Spotlight



Alfie Cody

A former QEHS student's experience

QEHS Sixth Form allowed me to push the boundaries of my mathematical thinking. The combination of dedicated teaching, complex analytical challenges and step-by-step problem-solving in lessons gave me a deep appreciation for the subject and the confidence to take my studies to a higher level.

Studied at QEHS: 2017 - 2024

Subjects: Maths, Physics, Law and EPQ

Next steps: **University of Sheffield**
Aerospace Engineering MSc
PhD student, University of Sheffield
Department of Automatic Control and Systems Engineering