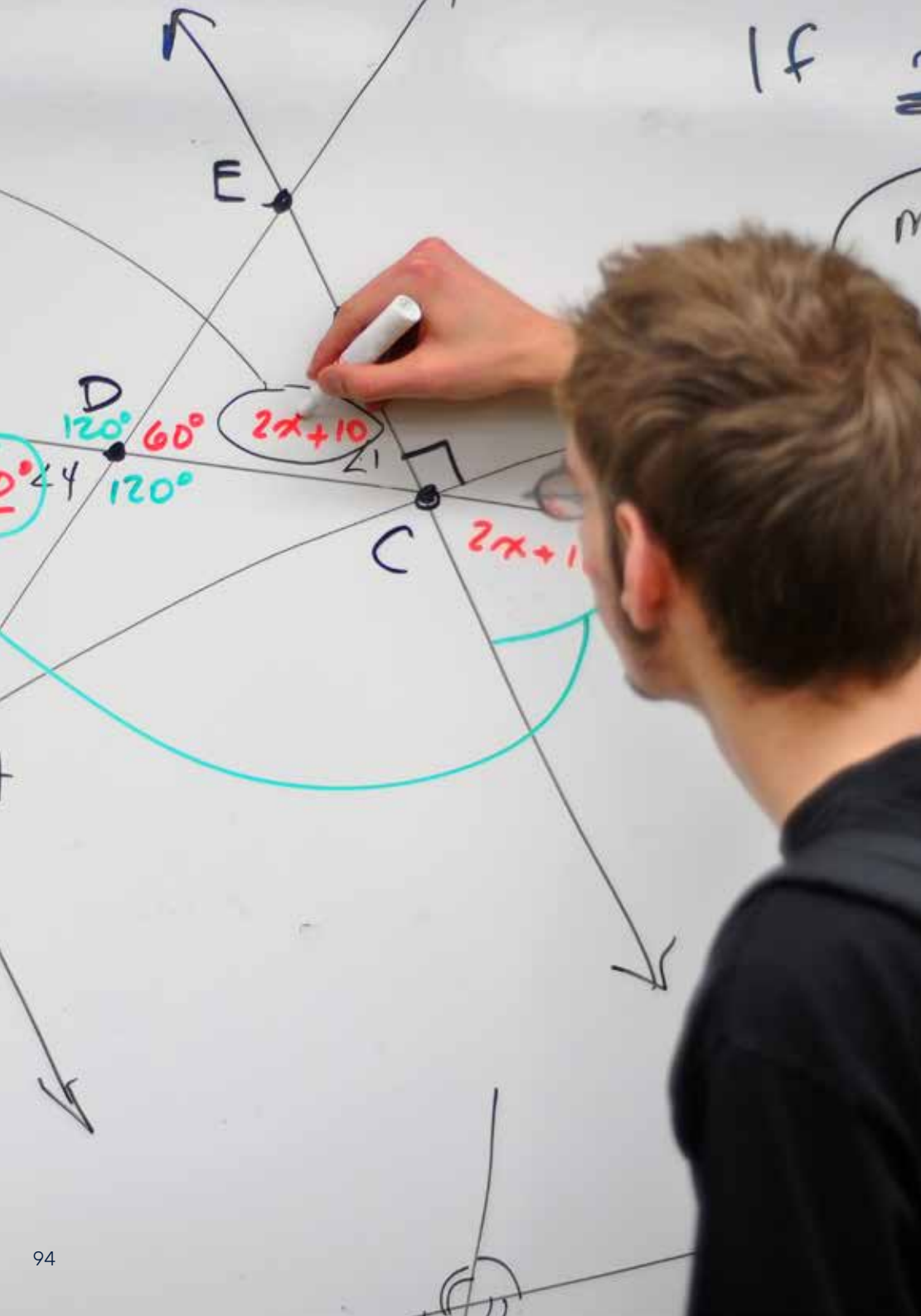# Maths

Maths is a really exciting subject which opens many doors for progression; it is highly respected by employers and Universities. We emphasise the problem solving skills required for applying mathematics to the real world. You will be given the opportunity to take part in both individual and team mathematics competitions, competing against students from across the country. If you achieve a really high result you could even be invited to compete at the very prestigious British Mathematics Olympiad. Mathematics is an extremely rewarding subject and we will support you to achieve your potential at whichever level you are working. Our extensive range of workshops will provide you with the extra individual support required for you to achieve the highest grade possible.

Careers and Destinations

- Higher Education
- Engineering
- Computer Science
- Medicine
- Social Science
- Business
- Accounting

- Science
- Secondary School Teacher
- Data Analyst
- Statistician

Further Mathematics

A LEVEL - 2 YEARS
Entry Requirements: 5 GCSEs at grade 4-9 (A*-C)
including English plus a grade 8(A) in Maths.

What will I study?

You will study A Level Mathematics in your first year and then study A Level Further Mathematics in your second year. As well as allowing you to study mathematics in more depth, Further Mathematics gives you a much broader mathematical background ensuring you are highly employable in all mathematical fields. You will study pure mathematics which will extend your knowledge of topics such as algebra, coordinate geometry and trigonometry. You will also learn new concepts such as calculus. Alongside pure mathematics you will study mechanics and statistics.

How will I be assessed?

Examinations.

What can I do next?

Further Mathematics students are particularly well prepared for degree level courses in mathematics, engineering, science, medicine, dentistry, computing, finance, economics and other mathematics based subjects.

Mathematics

A LEVEL - 2 YEARS
Entry Requirements: 5 GCSEs at grade 4-9 (A*-C)
including English plus a grade 6(B) in Maths

What will I study?

You will study pure mathematics which will extend your knowledge of topics such as algebra, coordinate geometry and trigonometry. You will also learn new concepts such as calculus. Alongside pure mathematics you will study mechanics and statistics. Statistics will build on and extend your data and probability knowledge, mechanics looks at the physics of motion and forces.

What can I do next?

A Level Maths is essential for Higher Education courses in computer science, engineering, physics or mathematics itself. It is also highly desirable for science and social sciences, any medically-related qualification, business and accounting.

How will I be assessed?

Examinations.
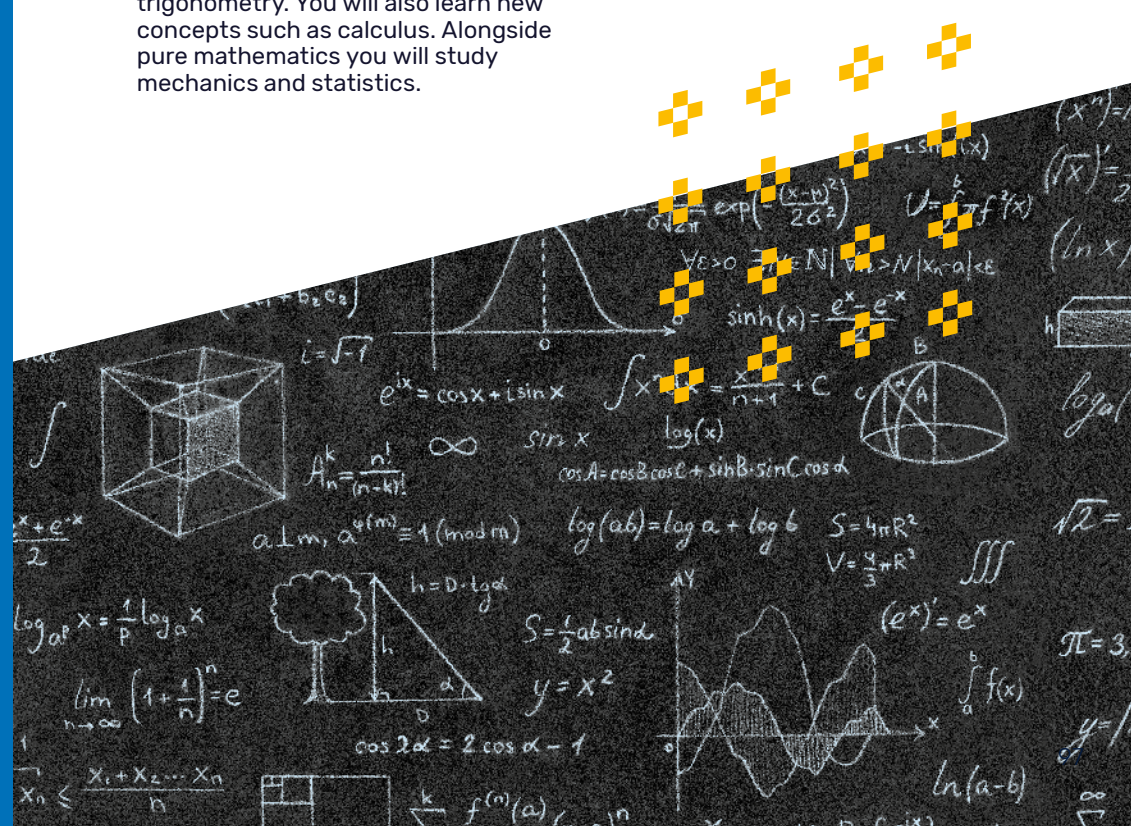
Core Maths

LEVEL 3 CERTIFICATE - 1 YEAR
Entry Requirements: 4 GCSEs at grade 4-9 (A*-C)
including English + Maths

What will I study?

Core Maths qualifications enable learners to strengthen and develop the mathematical knowledge and skills they have learnt at GCSE. You will study maths topics, which will consolidate and extend the mathematics learnt to date and develop transferable problem solving skills. This includes, spreadsheets, modelling and estimation, statistical and financial problem solving, exponential growth, graphs and probability and risk.

How will I be assessed?

Examinations.

What can I do next?

The skills developed in the study of mathematics are increasingly important in the workplace and in higher education; studying Core Maths will help you keep up these essential skills. Most students who study maths after GCSE improve their career choices and increase their earning potential. The course also gives an examination subject at Level 3 that would strengthen a UCAS application.