

A-LEVEL Mathematics

WHY STUDY THIS COURSE?

Maths is fun! We take a creative approach to A Level Maths – challenging problems and investigations, national Maths competitions for individual students and small teams.

Maths is essential! All areas of science and technology depends on Maths – whether it's building a supercomputer, researching a new cancer treatment, or designing a spacecraft.

Maths opens doors! Maths A Level is required for many subjects at university, including Physics, Computer Science, Engineering, Medicine, Chemistry, and others. A level Maths students earn an average of 11% more than other students over their lifetime!

WHAT DOES THE COURSE ENTAIL?

We currently use the Pearson/Edexcel exam board.

A-level Mathematics students focus on pure mathematics, mechanics and statistics. Further Maths students must also study A-level Mathematics and their course includes harder problems and topics in pure maths, mechanics and decision maths.

The students receive 10 hours of Mathematics lessons each fortnight and are expected to do another 5 hours themselves at home to consolidate and practice what they have been taught. We use a variety of resources that include textbooks, problem solving tasks and online websites.

Further Maths students have an additional 10 lessons per fortnight and will take twice as many exams at the end of the two-year course. Therefore, they get 2 A-level grades, one for Mathematics and one for Further Mathematics.

HOW DO WE PERFORM?

Since the introduction of the new A level specification in 2017, students will not usually take any Maths exams until the end of the two-year course. In year 13 generally 100% of students achieve an A*-E for A-level Mathematics, with around 90% getting an A*-C grade.

Further Maths students do extremely well, gaining high grades in both Maths and Further Maths with the majority progressing on to Russell group universities. We would only recommend students who really enjoy Maths and have a flair for the subject to do this.

WHERE CAN I FIND OUT MORE?

<https://www.drfrostmaths.com/>
www.thomastallisschool.com/mathematics
www.ncetm.org.uk
www.integralmaths.org

www.edexcel.com/subjects/Mathematics
www.nrich.maths.org/secondary-upper