FURTHER MATHEMATICS

Exam Board: Edexcel
Specification: Click here for more information

COURSE SUMMARY

Opting for Further Mathematics means you are taking two A Levels in Mathematics – Mathematics and Further Mathematics. This means you have eight hours of Mathematics lessons per week to extend and develop your understanding of Pure Mathematics (algebra, trigonometry, calculus, coordinate geometry) to solve problems, and apply your skills in Statistics (data handling and probability) and Mechanics (how and whether things move). A Level Further Mathematics requires excellent algebra skills and the ability to enjoy the challenge and satisfaction of solving complex problems.

> *"When I leave school I hope to study Mathematics at Warwick or Exeter University and then become an Actuary. I have studied Further Mathematics, Mathematics, Biology and Sociology."* Amy

WHY STUDY FURTHER MATHEMATICS?

"If you choose Further Mathematics it means the subject has to be something you really enjoy and are willing to spend a lot of time doing. Maths takes up your life with the students in the class having a maths addiction; the lessons and the subject become like a family. The class atmosphere is amazing and the teachers are very supportive." *Anya*

WHAT HAPPENS IN LESSONS?

"Lots of maths! Typically, students go through theory and examples in the first half of the lesson and then the remainder is spent going through questions. The lessons are fast paced with each lesson covering one topic." *Amy*

COURSE ASSESSMENT

This is a linear course. This means that students opting for an A Level in this subject will be committing to a two-year linear course with all units examined at the end of Year 13.

MIGHT LEAD TO...

Anything you want! Almost any university course or job values A Level Further Mathematics highly. If you wish to study Mathematics itself at university, or apply for engineering at certain universities, you are advised to take Mathematics and Further Mathematics. It is also recommended for some courses in the physical sciences and computing.

ADVICE ON ENTRY

Grade 7 or higher in GCSE Mathematics is required.

READING AROUND THE SUBJECT

- RISPS
- Hegarty Maths
- Further Maths Support Programme

Books

- Paul Nahin, *An Imaginary Tale*
- Simon Singh, *The Code Book*

See also books listed under Mathematics.