

A Level



Mathematics

NELSON & COLNE
COLLEGE

SIXTH FORM

A Level Entry Requirements

Two grade 5s and three 4s in five subject areas at GCSE, to include a minimum of a grade 4 in English Language.

Additional Subject Requirements

Mathematics at grade 6 or above.

Course description

It is vital that we are able to understand mathematical ideas before we can start to apply them in the real world. A Level Mathematics will help you to do this. At A Level, Mathematics is far more algebraic than at GCSE so you will need a firm understanding of GCSE Algebra. There is also more emphasis on problem solving and proofs.

You will study a combination of pure mathematics, statistics and mechanics. We also run a stretch and challenge workshop for those who wish to extend their learning, where you will be able to take part in activities that prepare you for the Mathematics Team Challenge and work towards additional Mathematics qualifications, which may be required for university.

Due to the increased requirement to use technology within the new specification, students will be required to purchase a graphical calculator. You will be advised on the make and model by your tutor.

What next?

A degree in Mathematics can lead to careers in medicine, engineering, statistics, operational research, accountancy, actuarial work, business management, insurance and teaching. If you are seriously interested in Mathematics at university, we would recommend that you also study Further Mathematics. Former students have gone on to study at the University of Oxford, the University of Cambridge, the University of Warwick, King's College London, the University of Leeds, University College London (UCL) and the University of York, reading Mathematics, Mechanical Engineering, Medicine, Theoretical Physics and Economics, to name a few.

