

A level Maths

What board do we do? Edexcel, AQA

What is Mathematics?

Mathematics is a vast subject studying numbers, quantities, shape, space, their relationships, and a lot more. It attempts to describe this world as accurately and rigorously as possible, and thus is widely regarded as “the most precise human language”. The subject has got a huge number of fields and branches, and is fundamental to much of science and technology nowadays. It is generally divided into Pure and Applied Mathematics: the former studies entirely abstract objects, while the latter is concerned with applications of Mathematics in real life. By the end of the course, a successful student will have developed solid foundations in basic mathematical concepts and ideas, calculation skills, and problem-solving techniques necessary for higher education, further personal studies or careers.

What careers and University courses can Mathematics lead to?

Excellent results in A Level Mathematics have become a standard prerequisite for gaining admission to a degree in the UK. A or A* grade in the subject is now on the list of the minimum requirements of top universities like Oxbridge, Imperial, LSE and UCL. Therefore, A Level Mathematics is quite essential today for entering a prestigious university, regardless of what study interests and career plans one may have.

A Mathematics degree, in turn, is highly valued by employers due to the skills in analysis, problem-solving and, of course, numeracy, that it develops. Many graduates have chosen to use their mathematical skills in careers in the City of London, such as trading and risk analysis; in banking, insurance and other financial services; and in scientific research, IT and industry. However, this is not an exhaustive list as the transferable skills gained through study of Mathematics are, in general, of wide applicability in many walks of life.

Book List

- AS-Level Maths Edexcel Complete Revision and Practice (Richard Parsons)
ISBN: 9781847625809
- AS Level Mathematics Through Diagrams (Dick Russell)
ISBN: 9780199148387