

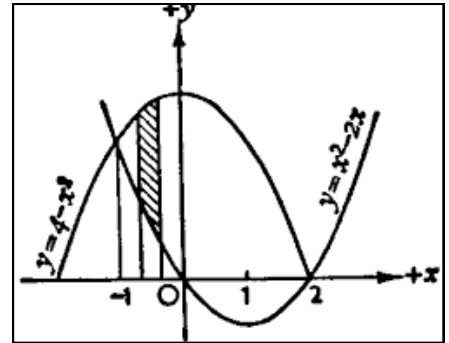
# MATHEMATICS

Edexcel A Level

## COURSE OVERVIEW

Mathematics A level consists of three main areas of study - Pure Mathematics, Statistics and Mechanics. All three are compulsory. In Pure Mathematics you will learn about series, algebra, functions and graphs. You will also study more about the trigonometric functions and calculus - one of the most important and widely applied areas of mathematics. Statistics builds on data handling from GCSE and goes much further. Mechanics is also studied in Physics and is about motion and forces.

These two subjects are about using mathematics to model real situations.



## HOW WILL I BE ASSESSED?

Assessment will consist of three 2 hour examinations taken at the end of Year 13:

Pure Mathematics 1, Pure Mathematics 2 and Mechanics/Statistics.

Each examination carries equal weight towards your final grade.

## ENTRY REQUIREMENTS

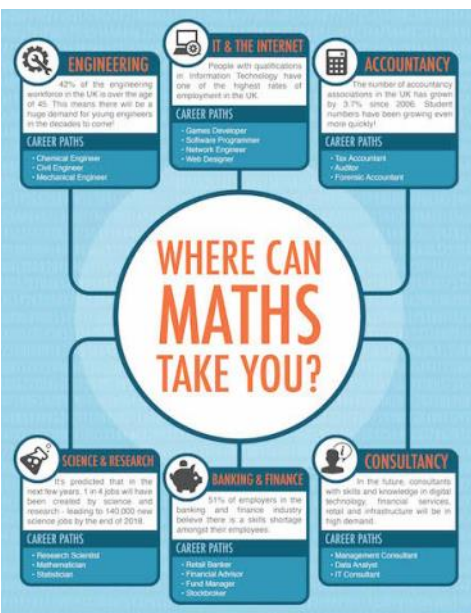
You should have a Grade 7 GCSE in Mathematics.

## WHY STUDY THIS SUBJECT?

Mathematics is the most multi-purpose A level.

For those intending to continue on to university, there are very few degree subjects for which a Maths A Level would not be useful. Many degree courses do not require specific A level subjects, but, of those that do, Maths is by far the subject most commonly required. For example, the University of Liverpool has 251 undergraduate courses of which 94 have mathematics A-level as a requirement. For many more it is desirable. That is far more than any other A level subject.

There are many career paths for which mathematics is useful because it requires high order thinking and problem solving skills.



## STUDENT EXPERIENCE

Mathematics is a great A level to take at St Anselm's because the teaching and support are really strong and enable me to maximise my grades and achieve well even when I find it challenging. It is a rewarding subject to study because of the level of challenge and because it is so in demand by universities.

(Sam—Year 13 student)