

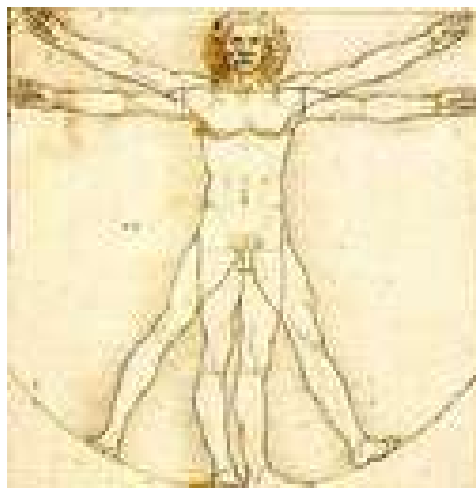
**OSCAR
ROMERO
SIXTH FORM
CENTRE**



Mathematics

Why study Mathematics?

For those who love problem—solving, Mathematics is a must. It opens the door to many varied careers, and, as a recent survey has shown, those with a Mathematics A level earn an average of 10% more than their peers. We have chosen a course which is highly motivating, as it relates Mathematics to real-life problems and situations. You will use mathematical modelling to tackle such issues. Exploiting the excellent teacher/student ratio, the department has a long record of academic success. A significant number of our students have gone on to study Mathematics at university (and achieve first class degrees).



The Course

The course is made up of six modules — three taken in each year.

Year 12 AS

Core 1 -	Pure Mathematics an extension to GCSE, with an introduction to calculus
Statistics 1 -	Statistics including modelling and analysis and further probability
Core 2 -	Further calculus and trigonometry

Year 13 A2

Core 3 -	An extension of calculus and trigonometry
Mechanics 1 -	An application of pure mathematics to mechanical models and problems
Core 4 -	Further extensions of pure mathematics

We also offer Further Mathematics to the most gifted students who are capable of independent learning. All modules are externally assessed.

For Further Information Please Contact

Mr D. Ridgway or Mr B Warr