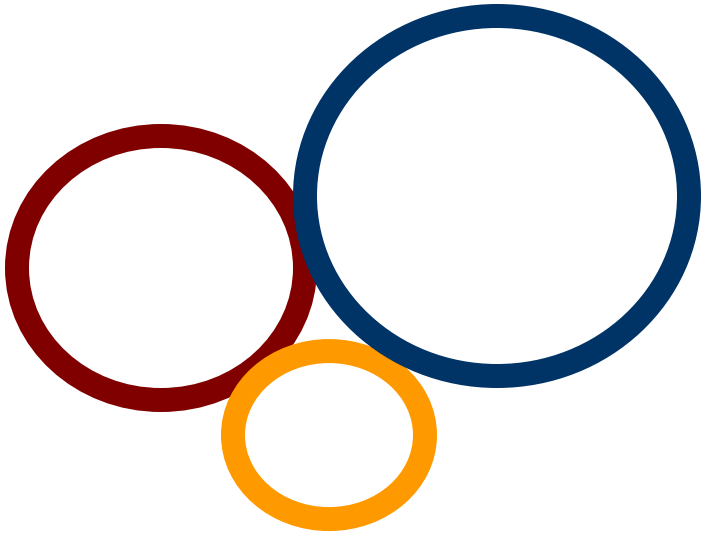
HARROW SIXTHFORM COLLEGIATE

# Mathematics: AS/ A level



## Awarding Body
Edexcel

## Who is the course for?
It is for students who enjoy Maths. Mathematics at A level is a highly academic and challenging subject. It is for students who are interested in Mathematics and its application in the real world. It will support you in subjects such as: Physics, Geography, Psychology and Business as well as many other disciplines.

## What can it lead to?
You can progress to university or employment. Most university courses in the sciences and engineering require Mathematics at A level.

## What are the entry requirements?
At least 6 grade 5-9 GCSEs including English Language and at least a grade 6 in Mathematics.

## What will I Study?
You will study Pure and Applied maths. Pure maths extends the work you have already begun at GCSE. Applied maths uses the pure maths techniques and applies them to solving real world problems from engineering to population modelling. Students will start the course in Year 12 and take an exam at the end of the first year. They will achieve an AS in Mathematics at this stage. Those who wish to continue with Mathematics in Year 13 will be tested on the first and second year content at the end of the second year.

## How will I be assessed?
100% Examination.

## AS
The AS course is a one-year course, which consists of two externally-examined papers: one pure and one applied (Mechanics and Statistics).

## A Level
The A Level course is a two-year linear course. The exam is taken at the end of the second year of A Levels. It consists of three exams: two pure and one applied (Mechanics and Statistics).

## What equipment or materials will I need?
You will need to purchase your own textbooks, paper and a scientific calculator.

## How will I be taught?
You will have two sessions each week and be taught in a similar setting to Mathematics at GCSE. You will have to attend formal lectures, take notes, get involved in practical activities, attempt past paper questions and do some background reading to support your work.

## Any Questions?
Please come and talk to one of the Maths teachers.