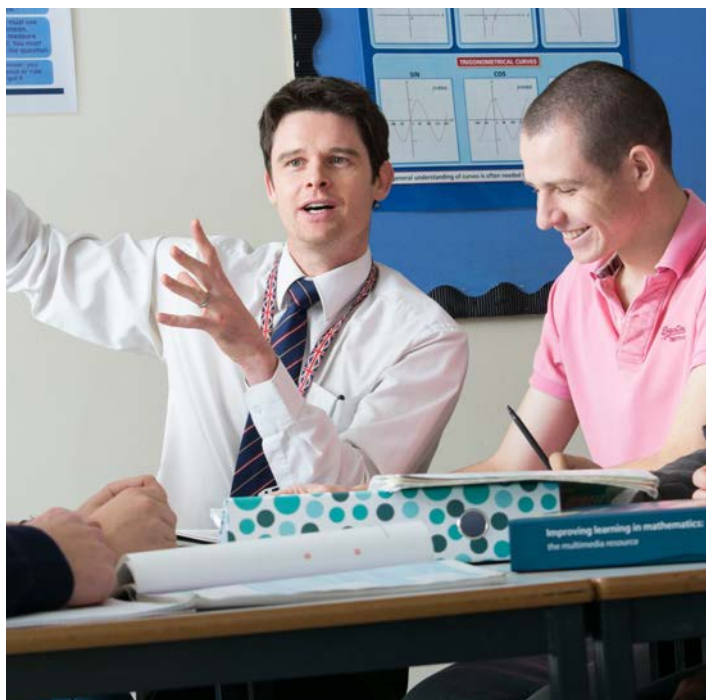# COURSE OUTLINE
MATHEMATICS - A LEVEL

COURSE OUTLINE

Mathematics at AS and A2 builds on work you will have met at GCSE, but also involves new ideas produced by some of the greatest minds of the last millennium. If you have a mathematical flair and enjoy the challenge of problem solving then this is the course for you.

DETAILS ABOUT THE COURSE

Topics covered:

Pure 1
Pure 2
Applied (Mechanics and Statistics)

Co-curricular/trips:

You will have the opportunity to take part in UKMT National Challenge competitions as an individual and as part of a team representing the school. Visits to maths events at UWE and Bristol University, as well as maths Inspiration at the Bristol Hippodrome.

Future prospects:

All forms of engineering, accountancy, aerospace and defence, manufacturing, environmental industry, pharmaceutical industry, healthcare, bio science, medicine.

You might also take...

Further maths, physics, chemistry, biology. geography, psychology.

KEY INFORMATION

Prior attainment:

Five grades at 9-4
Grade 7 in GCSE maths required
Grade 8 in GCSE maths desirable

Assessment:

Year 1 - Should it be appropriate to only take course to AS Level:

100% examination
1 Pure - 120 mins
1 Applied (Mechanics & Statistics) - 60 mins

Year 2:

2 Pure exams - 120 mins each
1 Applied (Mechanics & Statistics) - 120 mins

Problem solving, teamwork, independence and communication are all essential.