

CWS SIXTH FORM COURSE BOOKLET INFORMATION

SUBJECT: A Level Further Mathematics

EXAM BOARD: Edexcel

COURSE OUTLINE:

<https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html#%2Ftab-AlevelFurtherMathematics>

A Level Further Mathematics enables students to extend their knowledge and range of mathematical skills, to understand mathematics in a way that promotes confidence, fosters enjoyment and provides a strong foundation for progress to further study. The course is comprised of Core Pure Mathematics, and an option of two out of Further Statistics, Further Mechanics and Decision, all of which can be built upon through Undergraduate study. Students who would benefit most from studying this qualification are likely to have a minimum of Grade 8 in GCSE Mathematics. It is important that students have the drive and desire to understand the subject. A Level Further Mathematics is generally a good complement with studying courses such as Physics, Chemistry, Computer Science and Economics. It is compulsory to take A Level Mathematics.

EXAMINATION CRITERIA

The Pearson Edexcel Level 3 Advanced GCE in Mathematics consists of 4 externally examined papers. Students must complete all assessment at the end of Year 13 (in May/June 2022).

4 x 1.5 hour written examination worth 75 marks. [calculator allowed]

POTENTIAL CAREER PATHS IN THIS FIELD

<https://www.mathscareers.org.uk/16-19/>

Quantitative skills, problem solving and logical thinking are all highly valued, and this course can prepare students for employment in a wide variety of occupations in the public and private sectors.

Maths Teacher	Consultant	Investment broker
Maths Tutor	Economist	Commerce
Academia – Maths Lecturer or Researcher	Data Analyst	Architect
Engineer	IT	Business
Scientist	Computer Programmer	
Actuary	App/Games designer	
Accountant	Cryptographer	
Financier	Cybersecurity	
	Epidemiologist	