

WHY MATHEMATICS?

Mathematics students at Madeley Academy will prepare themselves to move into Higher Education courses. The opportunities for students of Mathematics, on completion of full-time education, are enormous. It complements and supports other courses, for example, Physics, Chemistry, Design Technology and Business Studies. Qualifications in Mathematics are acceptable as an entry to many different careers. The Mathematics AGCE course offered at Madeley Academy is designed to provide academic and vocational experiences. It will prepare students for their choice in both the world of work and Higher Education.

PROGRESSION

A level Mathematics is required at the top universities to study Mathematics. Cambridge and Warwick Universities also require the Advanced Extension Award in Mathematics and / or Step Papers as part of their offers. These courses are offered to the most able mathematicians. A level Mathematics is required to study Economics at university.

SPECIFIC ENTRY REQUIREMENTS

- Students must achieve a minimum of 5 GCSEs (Grades A* - C) including English and Maths
- Grade B in GCSE Mathematics (Higher Tier), having studied the higher course

COURSE DETAILS:

You will study **Six Units** as follows:

- Core 1 - An Introduction to Advanced Mathematics
- Core 2 - Concepts for Advanced Mathematics
- Core 3 – Methods for Advanced Mathematics
- Core 4 – Applications of Advanced mathematics
- Statistics 1 - AS Examination Unit
- Statistics 2 – A2 Examination Unit



For more information please visit our website. Telephone: (01952) 527700 or Email: rfairless@madeleyacademy.com