

Maths and Further Mathematics

Further Mathematics is concerned with analysing situations, making links with ideas, problem-solving and recognising order and pattern.

Further Mathematics is taken alongside A Level Mathematics and will enable you to study mathematical concepts in greater depth as well as looking at more abstract branches of Mathematics such as Advanced Calculus, Complex Numbers, Matrices and Hyperbolic Functions.

Studying Further Mathematics will also compliment the knowledge and skills required and taught in other subject areas such as Physics, Chemistry, Computing, Psychology, Economics and Design and Technology.



Choose Further Mathematics as an option and you will have access to a range of enrichment activities to widen your experience. These opportunities include KS3 Sum Buddies, UKMT Senior Challenge, STEM opportunities, Mathematical Lectures, Workshops and Visits and STEP and MAT Paper tutorials.



At **Alun School**, our experienced teaching team provide expert guidance and tuition. You will also have access to dedicated online support materials.
Email: mathematics@alunschool.cymru

Further Mathematics

Assessment Information

A Level Units

AS Unit 1 - Further Pure Mathematics - 1 hour and 30 minutes written examination that makes up 13% of qualification.

AS Unit 2 - Further Statistics - 1 hour and 30 minutes written examination that makes up 13% of qualification.

AS Unit 3 - Further Mechanics - 1 hour and 30 minutes written examination that makes up 13% of qualification.

A2 Unit 4 - Further Pure Mathematics - 2 hours and 30 minutes written examination that makes up 25% of qualification.
plus **either** Unit 5 **or** Unit 6

A2 Unit 5 - Further Statistics - 1 hour and 45 minutes written examination that makes up 25% of qualification.

A2 Unit 6 - Further Mechanics - 1 hour and 45 minutes written examination that makes up 25% of qualification.

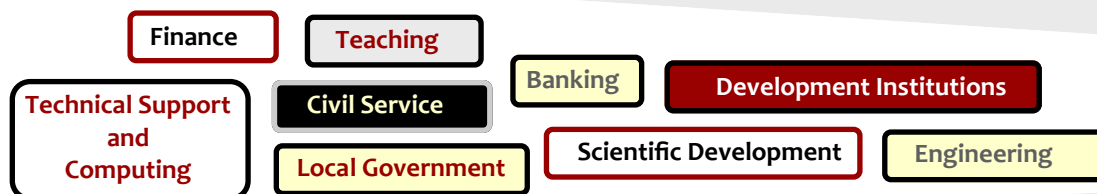
Entry Requirements

You should have achieved a Grade A or above in GCSE Mathematics.

Progression Routes

The transferable skills and knowledge you will gain through the study of Further Mathematics at Alun School will be invaluable in enabling you to access a wide range of courses at university.

Further Mathematics will give you an excellent grounding for multiple career opportunities including:



Every year, this highly successful course inspires many students to progress on to well-respected institutions to study a range of subjects including Mathematics, Economics, Physics, Engineering, Chemistry, Computer Science, Medicine, Pharmacy and Veterinary Science.

“Pure Mathematics has helped me to think outside the box - an interesting place to be.”

“First year undergraduate work was easier after having excellent teaching in Further Mathematics at Alun School.”

“Further Mathematics is really fun because the class size is small and you get to know each other really well and have some interesting discussions.”

“The staff are passionate about their subject and have inspired me to study Mathematics at university.”

former students