



Course Title

A Level Maths

Aims of the Course

The aims of the course are to:

- Develop mathematical skills introduced at GCSE.
- Develop transferable skills such as critical thinking, problem solving, and perseverance.
- Gain an appreciation for how mathematics influences the world around us.

What will you study?

Pure	Applied	
	Mechanics	Statistics
Algebraic methods	Forces and Systems of Forces Motion Projectiles	Probability
Trigonometry		Data interpretation
Calculus		Statistical distributions
Vectors		

How will you be assessed?

- You will sit a test every few weeks throughout Year 12 and Year 13 to ensure the skills being taught are understood and embedded.
- There are three formal exams at the end of Year 13, two of which cover the pure content and one paper covering the applied content. Each paper is 2 hours long.

What wider skills will you develop?

- Problem solving and critical thinking.
- Presentation and clarity of explanation.
- Independent study skills
- Resilience

What are the future options from the course?

A Maths qualification can open up so many doors and is always viewed favourably by potential employers. There are a wide range of careers which maths applies to, in areas ranging from engineering to entertainment. Actuarial sciences, urban planning, accountancy, meteorology, and stockbroker are all potential areas for future study.

Who can you contact for more information?

The Course Leader is Miss Fiona Rosler (Head of Maths) who can be contacted via email at fiona.rosler@verulam.herts.sch.uk