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| Course Title | A Level Further 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? |
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| **Core Pure** | **Applied \*these modules can change each year** |
| Algebraic proofComplex numbersMatricesPolar coordinates | **Further Mechanics** | **Further Statistics** |
| MomentumElastic collisionsEnergy and power | ProbabilityStatistical distributionsCentral limit theorem |

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| 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.- All formal exams take place at the end of Year 13.  |
| What wider skills will you develop? |
| - Problem solving and critical thinking. – Independent study skills- Presentation and clarity of explanation. – 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  |