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| 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? |
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| **Pure** | **Applied** |
| Algebraic methodsTrigonometryCalculusVectors | **Mechanics** | **Statistics** |
| Forces and Systems of ForcesMotionProjectiles | ProbabilityData interpretationStatistical distributions |

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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.- 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. – 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 |