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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? | |
| |  |  |  | | --- | --- | --- | | **Pure** | **Applied** | | | Algebraic methods  Trigonometry  Calculus  Vectors | **Mechanics** | **Statistics** | | Forces and Systems of Forces  Motion  Projectiles | Probability  Data interpretation  Statistical distributions | | |
| 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](mailto:fiona.rosler@verulam.herts.sch.uk) | |