

Curriculum Overview

| | Cycle 1 |
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| Year 12 Maths | <p>Pure: Algebraic methods, proof, graphs</p> <p>Statistics: Probability, data analysis and representation</p> <p>Mechanics: Constant acceleration and 2-D motion</p> |
| Year 13 Maths | <p>Pure: Functions, trigonometry, calculus</p> <p>Statistics: Hypothesis testing for correlation, conditional probability</p> <p>Mechanics: Projectiles, friction, statics</p> |

| Cycle 2 |
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| <p>Pure: Binomial expansion, calculus (differentiation), trigonometry</p> <p>Statistics: Sampling, correlation, probability distributions</p> <p>Mechanics: Forces and motion</p> |
| <p>Pure: Further calculus, numerical methods, vectors, revision</p> <p>Statistics: The normal distribution, revision</p> <p>Mechanics: Dynamics, Calculus, revision</p> |

| Cycle 3 |
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| <p>Pure: Calculus (integration), exponentials and logarithms, sequences and series</p> <p>Statistics: Hypothesis testing, linear regression</p> <p>Mechanics: Variable acceleration</p> |
| <p>Pure: Revision</p> <p>Statistics: Revision</p> <p>Mechanics: Revision</p> |