

Maths Curriculum Overview KS5

| Year 12 Teacher A | Year 12 Teacher B |
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| Algebraic expressions | Graphs and transformations |
| Quadratics | Straight line graphs |
| Equations and inequalities | Circles |
| Algebraic methods | The binomial expansion |
| Differentiation | Trigonometric ratios |
| Integration | Trigonometric identities and equations |
| Data collection | Vectors |
| Measures of location and spread | Exponentials and logarithms |
| Representations of data | Modelling in mechanics |
| Correlation | Constant acceleration |
| Probability | Forces and motion |
| Statistical distributions | Variable acceleration |
| Hypothesis testing | |

| Y13 Teacher A | Y13 Teacher B |
|-------------------------------|------------------------|
| Radian measures | Algebraic methods |
| Trigonometric functions | Functions and graphs |
| Trigonometry and modelling | Sequences and series |
| | Binomial expansion |
| Parametric equations (shared) | |
| Differentiation (shared) | |
| Numerical methods | Vectors |
| Integration (shared) | |
| Regression and correlation | Moments |
| Conditional probability | Forces and friction |
| Normal distribution | Projectiles |
| | Applications of forces |
| | Further kinematics |