

**Year 11**

<b>Autumn 1</b> Algebra and geometry	<b>Autumn 2</b> Number & statistics
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<b>Spring 1</b> Revision, extension 1	<b>Spring 2</b> Revision, extension 2	<b>Summer 1</b> Revision, extension 3	<b>Summer 2</b> Examinations
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*All should be confident and competent in Key Stage 3 material. Review of these prerequisites may be useful for each unit:*

Ratio calculations Direct and inverse proportion Derive and use expressions, formulae and equations	Simple statistical diagrams Averages and the range Solve number problems
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Review and revision	Review and revision	Review and revision	Review and revision
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*All will be assessed on this specific Key Stage 4 content*

Arcs and sectors of circles Using angle and shape facts to derive results Proof in algebra and geometry Variation	Represent and describe distributions Identify misleading graphs Time series Correlation and lines of best fit Solve problems involving compound units
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Review and revision	Review and revision	Review and revision	Review and revision
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*Highest attaining students will also be assessed on the following material, which provides good preparation for Key Stage 5*

Apply and prove circle theorems Equation of a circle and the tangent to a circle Variation with powers	Histograms with equal and unequal class intervals Cumulative frequency graphs and box plots
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Functions and their inverses Composite functions Transformations of functions	Solve equations by iteration Gradients of curves and areas under graphs	Review and revision	Review and revision
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*Throughout KS4: Students will need to keep working on key skills as they occur within other topics, as well as when the skills are being explicitly addressed. These include: Addition, subtraction, multiplication and division; order of operations; fractions, decimals and percentages; rounding and estimation; and algebraic notation.*