



Time Period	Autumn Term		Spring Term		Summer Term	
Content	<ul style="list-style-type: none"> Algebraic expressions Bearings Linear equations and inequalities Sequences Further circle theorems Pythagoras' theorem and Trigonometry in right angled triangles 	<ul style="list-style-type: none"> Probability Fractions and recurring decimals Harder Percentages (exponential growth and decay) 	<ul style="list-style-type: none"> Ratio and Proportion Rearranging formulae Linear graphs Quadratic graphs 	<ul style="list-style-type: none"> Area and Volume Vectors Error intervals Cumulative frequency graphs, Box plots Averages from grouped tables Histograms 	<ul style="list-style-type: none"> Standard form Trigonometry in non-right angled triangles Algebraic proof Functions Iterations 	<ul style="list-style-type: none"> Surds Revision of key topics (preparation for year 11)
Skills	<p>Number simplify fractions, perform the four operations with fractions, order fractions, decimals and percentages, use of multipliers in percentage problems,</p> <p>Ratio, proportion and rates of change solve problems related to compound interest/exponential growth, work out the original value in percentage change problems</p> <p>Algebra collect like terms, expand brackets (incl. triple brackets), perform the four operations with algebraic fractions, factorisation (including quadratic factorisation), solve linear equations and inequalities (including ones with fractions), derive expressions and equations, work out the nth term of linear and quadratic sequences</p> <p>Geometry and Measures work out the bearing of a location from another, working out unknown angles using appropriate circle theorems, work out unknown lengths using Pythagoras' theorem, work out unknown lengths and angles using trigonometry</p> <p>Probability and Statistics solve problems (independent and dependent events) using tree diagrams and Venn diagrams, solve problems using AND and OR rules</p>		<p>Number work out upper and lower bounds of quantities, solve problems related to limits of accuracy, express large and small numbers in standard form, solve real life problems (including speed and density problems).</p> <p>Ratio, proportion and rates of change solve problems on direct and inverse proportion using algebraic equations, solve problems related to compound measures (speed, density and pressure)</p> <p>Algebra rearrange abstract and real life formulae, factorisation, draw linear and quadratic graphs, work out the gradient and identify the y intercept of straight line graphs, work out the equation of parallel and perpendicular lines, recognise the roots and turning point of a quadratic graph</p> <p>Geometry and Measures work out surface area and volume of prisms and non-prisms, apply addition and subtraction of vectors, multiplication of vectors by a scalar, and diagrammatic and column representations of vectors, use vectors to construct geometric arguments and proofs</p> <p>Probability and Statistics plot cumulative frequency graphs and box plots (incl comparing distributions), represent data by drawing a histogram with unequal widths</p>		<p>Number Working with numbers in standard form, simplify surd expressions involving squares, collect like terms and expand brackets where terms are in surd form, rationalise denominators in fractions involving surds</p> <p>Algebra interpret simple expressions as functions with inputs and outputs, interpret the reverse process as the 'inverse function', interpret the succession of two functions as a 'composite function', use iteration to find approximate solutions to equations (including quadratic and cubic equations), use algebra to prove results/facts</p> <p>Geometry and Measures work out unknown lengths, angles and area (non-right angles triangles) using trigonometry</p>	
Assessment week and content	<p>wb 10th November 2025</p> <p>Algebraic expressions, Bearings, Linear equations and inequalities, Sequences, Circle theorems, Pythagoras' theorem and Trigonometry in right angled triangles, Probability</p> <p>(students will also be give a topic list with reference to MathsWatch clips to support them with revision)</p>		<p>wb 9th February 2026</p> <p>Fractions and Percentages, Ratio and Proportion, Rearranging formulae, Linear and Quadratic graphs</p> <p>(students will also be give a topic list with reference to MathsWatch clips to support them with revision)</p>		<p>EOY exam</p> <p>Exam window 15th June – 26th June 2026</p> <p>All the content covered over the year</p> <p>(students will also be give a topic list with reference to MathsWatch clips to support them with revision)</p>	

- Grow and Succeed -

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