

Time Period	Autumn Term		Spring Term		Summer Term	
Content	- Algebraic expressions - Laws of indices - Scale diagrams and Bearings - Linear equations and inequalities - Sequences (Linear) - Pythagoras' theorem and Trigonometry in right angled triangles	- Probability - Fractions/Decimals - Standard form - Percentages	- Ratio and Proportion - Rearranging formulae - Further percentages - Straight line graphs	- Linear and Quadratic graphs - Averages and Range - Area and Perimeter - Volume and Surface Area	- Scatter graphs - Angles - Construction and loci - Introducing Surds - Area of sectors and length of arcs	- Transformations - Plans and elevations - Column vectors - Revision of key topics (preparation for year 11)
Skills	Number simplify using laws of indices (including expressions with negative powers and complex expressions), fractions, decimals and percentages, working with standard form numbers. Ratio, proportion and rates of change relate map scales to ratios, working with percentages Algebra Collect like terms, expand brackets (including double brackets), factorisation (including simple questions on quadratic factorisation), solve linear equations and linear inequalities, derive expressions and equations, work out the nth term of linear sequences Geometry and Measures work out the bearing of a location from another, apply basic angle facts and angle facts related to parallel lines and polygons in unstructured problems stating reasons for the answers, work out unknown lengths using Pythagoras' theorem, work out unknown lengths and angles using trigonometry Probability and Statistics solve probability problems related to relative frequency, solve probability problems on combined events using tree diagrams and Venn diagrams		Number round to the asked number of decimal places and significant figures, express large and small numbers in standard form, solve real life problems involving numbers in standard form, Ratio, proportion and rates of change solve problems on direct proportion, solve real life problems (related to recipes, currency conversion, value for money), use the unitary method to solve problems, solve problems related to compound measures (speed and density), know the difference between and solve problems related to simple and compound interest, work out the original amount in percentage change problems Algebra rearrange abstract and real life formulae, draw linear and quadratic graphs, work out the gradient and identify the y intercept of straight line graphs, work out the equation of a line from a graph, recognise the roots and turning point of a quadratic graph Geometry and Measures work out perimeter and area of 2D shapes, surface area and volume of prisms, Probability and Statistics calculate averages and range from a frequency table		Number simplify surd expressions involving squares and collect like terms in expressions involving surds Geometry and Measures apply basic angle facts and angle facts related to polygons and parallel lines to solve unstructured problems, work out area of a sector of a circle, work out the length of an arc of a circle, perform compass and ruler constructions, solve problems on loci by applying basic constructions, draw plan view and elevations of 3d shapes, perform transformations (translations, reflections, rotations and enlargements) on a pair of coordinate axes, working with column vectors Probability and Statistics draw and interpret scatter graphs, calculate averages and range from a frequency table	
Assessment week and content	wb 10th November 2025 Algebraic expressions, Scale diagrams and Bearings, Linear equations and inequalities, Sequences (Linear), Pythagoras' theorem and Trigonometry in right angled triangles, Probability (students will also be give a topic list with reference to MathsWatch clips to support them with revision)		wb 9th February 2026 Fractions and Percentages, Standard Form, Ratio and Proportion, Rearranging formulae, Compound interest and Reverse percentages, Linear graphs. (students will also be give a topic list with reference to MathsWatch clips to support them with revision)		EOY exam Exam window 15th June – 26th June 2026 All the content covered over the year (students will also be give a topic list with reference to MathsWatch clips to support them with revision)	

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