

	Y11 Key topics curriculum map
Algebra 1 20 Hours	Substitution Expanding and simplifying 1 or 2 brackets Re-arranging and changing the subject of a formula Solving Linear Equations all types Linear Factorising Factorising Quadratics Solving Quadratic Equations
Angles 10 Hours	Finding angles in parallel lines Find interior angles of any polygon Find exterior angles of any polygon
Ratio 10 Hours	Dividing a quantity into a given ratio Solving ratio when given one aspect and map scales Solving Ratio Problems <ol style="list-style-type: none"> By converting into fractions By combining two or more ratio Using ratio to form equations
Estimation 5 Hours	Use significant figures to estimate Solve Speed distance time problems Solve Density mass volume problems
Area and Perimeter 8 Hours	Find area of all 2D shapes Find perimeter of all 2D shapes Solve area and perimeter problems
Surface area and volume 4 Hours	Find surface area of 3D shapes Find volume of 3D shapes
Similar shapes 4 Hours	Similar triangles and 2D shapes Similar area Similar Volume
Probability 6 Hours	Independent events Conditional probability Relative frequency Permutations and Combinations
Percentages 8 Hours	Simple Percentage Problems Compound percentage increase and decrease Reverse Percentage problems Percentage profit or loss/Best Buys
Transformations 6 Hours	Rotation Translation Enlargement Reflection Combinations of transformations
Measures of Spread 7 Hours	Range, quartiles and inter quartile range Understanding outliers and scatter graphs Cumulative frequency and Box Plots Averages from tables Frequency Polygons
Pythagoras and Trigonometry 8 Hours	Find lengths and areas using pythagoras Find lengths and areas using SOHCAHTOA Combine pythag and trig
Graphs 8 Hours	Draw linear graphs Solve linear graph problems involving parallel line Draw quadratic graphs