

Year 8 Curriculum Map

Maths

	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1	Summer Term 2
Unit of Learning	Proportional Reasoning	Representations	Algebraic Techniques	Developing Number	Developing Geometry	Reasoning with data
Unit Focus	Ratio & Scale Multiplicative Change Multiplying & division fractions	Working in the Cartesian plane Representing data Tables & Probability	Brackets, equations & inequalities Sequences Indices	Fractions & percentages Standard index form Number sense	Angles in parallel lines & polygons Area of trapezia & circles Line symmetry & reflection	The data handling cycle Measures of location
Key Knowledge	Using ratio notation. Expressing ratio in different forms. Understand gradient as a ratio. Direct proportion graphs. Currency. Scale diagrams and shapes.	Coordinates in all four quadrants. Straight line graphs. Gradient of a line. Plot graphs in the form $y=mx+c$. Scatter graphs. Lines of best fit. Frequency tables.	Multiply out single and double brackets using the grid method. Forma and solve equations with brackets and inequalities. Generate sequences from words or an algebraic rule.	Convert fluently between fractions, decimals & percentages. Using multipliers to calculate percentages. Find the original amount. Order numbers in standard form.	Basic algebra rules and notation. Constructions of triangles and special quadrilaterals. Sum of interior and exterior angles in any polygon. Area of triangles and quadrilaterals.	Statistical enquiry. Draw and interpret pictograms, bar charts, vertical line charts and pie charts. Compare distributions using charts. Identify misleading graphs.

