ABINGDON
HOUSE SCHOOL

Personalised curriculum map overview for Year 8 Maths: 2025/26

Term ***(Weeks)***	***Topic/Unit (weeks)***	***Key Objectives***	***Type of assessment***
Week 1 (First full week)	***Initial evaluation***	This is the time to establish routines with the children, fostering positive relationships, and gaining a clear understanding of their individual learning needs.	

Autumn 1 (7)	***Ratio (2)***	• Understand ratio • Link ratios and fractions • Simplify ratios • Ratio problems (whole given) • Ratio problems (part given)	***End of unit assessment***
	Proportion and scale (2)	• Exploring the unitary method • The multiplier method • Recipes • Conversion graphs • Convert between currencies • Scale diagrams	***End of unit assessment***
	Directed number (1)	• Add and subtract directed numbers • Multiply directed numbers • Divide directed numbers • Multiply and divide directed numbers • Four operations with directed numbers	***End of unit assessment***
	Algebraic manipulation (1)	• Collect like terms • Expand a single bracket • Factorise into a single bracket	***End of unit assessment***

Autumn 2 ***(7)***	***Coordinates and graphs***	• *Plot and read coordinates in all four quadrants* • *Understand coordinates in all four quadrants* • *Lines parallel to the axes* • *Tables of values* • *Lines of the form y = mx* • *Lines of the form y = x + c* • *Lines of the form y = mx + c* • *Plot straight line graphs*	***End of unit assessment***
	Multiply and divide fractions.	• *Representations of fractions* • *Convert improper fractions to mixed numbers* • *Convert mixed numbers to improper fractions* • *Simplify a fraction* • *Multiply a fraction by an integer* • *Multiply a fraction by a fraction*	***End of unit assessment***
Spring 1 (6)	***Area, volume and density***	• *Name 2-D shapes* • *Area of squares, rectangles and parallelograms* • *Find unknown lengths in rectilinear shapes* • *Area of a rectilinear shape* • *Area of a triangle* • *Area of a trapezium* • *Area of a compound shape* • *Solve problems with area* • *Volume of cubes and cuboids (counting cubes)* • *Volume of cubes and cuboids*	***End of unit assessment***

	Equations	• *Use bar models* • *Solve 1-step equations* • *Solve 2-step equations* • *Solve equations with brackets* • *Solve fractional equations* • *Solve problems with equation*	***End of unit assessment***
	Fractions and percentages	• *Convert between fractions and decimals (non-calculator)* • *Convert between fractions and decimals (calculator)* • *Fraction of an amount* • *Increase or decrease an amount by a fraction* • *Convert percentages to fractions and decimals* • *Percentage of an amount (non-calculator)* • *Percentage increase and decrease*	***End of unit assessment***
Spring 2 (6)	***Decimal arithmetic and rounding (1)***	• *Multiply decimals by integers* • *Divide decimals by integers* • *Round to the nearest integer* • *Step 4 Round to decimal places*	***End of unit assessment***
	Expressions and indices (1)	• *Understand index notation* • *Simplify expressions* • *Collect like terms* • *Substitution*	***End of unit assessment***
	Standard form (1)	• *Integers to 1 000 000* • *Positive powers of 10* • *Multiply by powers of 10* • *Numbers greater than 1 in standard form*	***End of unit assessment***

	Interpret and represent data	• *Interpret and collect data* • *Averages and range* • *Ungrouped frequency tables* • *Mean from an ungrouped frequency table* • *Grouped frequency tables*	***End of unit assessment***
Summer 1 (5)	***Angles in polygons (3)***	• *Measure and draw angles* • *Angles on a straight line* • *Vertically opposite angles* • *Angles around a point* • *Types of triangles* • *Angles in a triangle* • *Angles in a special triangle* • *Types of quadrilaterals* • *Angles in a quadrilateral* • *Work out unknown sides lengths and angles*	***End of unit assessment***
	Tables and probability	• *Probability vocabulary* • *The probability scale* • *List outcomes* • *Probability of a single event* • *Probability experiments* • *Sample spaces for 1 or more events* • *Two-way tables* • *Frequency trees*	***End of unit assessment***
Summer 2 (6)	***Circles (2)***	• *Circle vocabulary* • *Circumference of a circle (calculator)* • *Circumference of a circle (non-calculator)* • *Area of a circle (calculator)* • *Area of a circle (non-calculator).*	***End of unit assessment***

	Graphs and charts	• *Draw pie charts (1)* • *Angles in sectors of pie charts* • *Draw pie charts (2)* • *Interpret pie charts*	***End of unit assessment***
	Sequences	• *Describe and continue sequences* • *Generate a sequence given a rule in words* • *Generate a sequence given a simple algebraic rule*	***End of unit assessment***
	Symmetry and reflection	• *Line symmetry* • *Reflect a shape in a horizontal or vertical line (touching the shape)* • *Reflect a shape in a horizontal or vertical line (not touching the shape)* • *Reflect a shape in a diagonal line (touching the shape)* • *Reflect a shape in a diagonal line (not touching the shape)*	