



ABINGDON

HOUSE SCHOOL

Personalised Curriculum map overview for Year 9 Maths - 2025/26

<i>Term</i> <i>(Weeks)</i>	<i>Topic/Unit (weeks)</i>	<i>Key Objectives</i>	<i>Type of assessment</i>
<i>Week 1</i> <i>(First full week)</i>	<i>Initial evaluation</i>	This is the time to establish routines with the children, fostering positive relationships, and gaining a clear understanding of their individual learning needs.	<i>End of unit quiz.</i>
<i>Autumn 1</i> <i>(7)</i>	<i>Properties of number</i>	<ul style="list-style-type: none">• To recap Factors, multiples and primes• To write a number as a product of prime factors• To use prime factors• To recap the Highest common factor (HCF) and lowest common multiple (LCM)• To read and interpret Venn diagrams• To Use a Venn diagram to calculate HCF and LCM	<i>End of unit quiz.</i>

	Percentages (2)	<ul style="list-style-type: none"> • To find 1%, 5%. 10% and 50% of an amount • To convert fractions to percentage without a calculator • To be able to express a change as a percentage • To increase and decrease an amount by a percentage 	End of unit quiz.
	Area and Volume	<ul style="list-style-type: none"> • To explore Nets • To recap the Area of a 2-D shape • To recap the Area and Perimeter of a rectangles • To explore the Surface area of cubes and cuboids • To explore the area and circumference of a circle. • To explore the volume of cubes and cuboids. • To explore the volume of a cylinder. 	End of unit quiz.
Autumn 2 (7)	Equations, inequalities and formulae	<ul style="list-style-type: none"> • To able to solve one step equations and inequalities • To able to solve two step equations and inequalities • To substitute expand single brackets • To be able to substitute into simple formulae and equations 	End of unit quiz.
	Fractions	<p>To recap;</p> <ul style="list-style-type: none"> • Add and subtract fractions with the same denominator • Multiply and divide fractions • Fraction of an amount 	End of unit quiz.
	Rates	<ul style="list-style-type: none"> • To calculate Speed, • To calculate distance and time • To interpret Distance-time graphs • To be able to convert compound units. 	End of unit quiz.

	Standard Form	<ul style="list-style-type: none"> To explore numbers in standard form To be able to compare and order numbers in standard form To be able to Multiply and divide numbers in standard form 	
Spring 1 (6)	Maths and money (3)	<i>To understand and explore;</i> <ul style="list-style-type: none"> <i>Bank accounts</i> <i>Spending</i> <i>Ways to pay</i> <i>Ways to save</i> <i>Jobs and pay</i> <i>Investing</i> <i>Borrowing (buying a house)</i> <i>Running a house or a business</i> <i>Budgeting</i> <i>Borrowing (loans)</i> <i>Spending overseas</i> <i>Insurance</i> 	End of unit quiz.
	Straight line graphs (2)	<p>To explore and build upon their understand of;</p> <ul style="list-style-type: none"> Lines, parallel to the axes, $y=x$ and $y=-x$ Gradients Intercepts $y=mx+c$ 	End of unit quiz.
	Ratio and proportion	<p>To build an understanding problems with;</p> <ul style="list-style-type: none"> Direct proportion Direct proportion and conversion graphs Ratio problems (whole or part given) 	End of unit quiz.
Spring 2 (6)	Constructions and congruence	<p>To understand and be able to;</p> <ul style="list-style-type: none"> Draw and measure angles Construct and interpret scale drawings Construct an angle bisector Construct a perpendicular bisector Construct a perpendicular from or to a point 	End of unit quiz.
	Similarity	<p>To be able to;</p> <ul style="list-style-type: none"> Recognise enlargement and similarity Work out scale factors Work out unknown lengths and angles in similar shapes 	End of unit quiz.
	Algebraic manipulation	<p>To be able to;</p> <ul style="list-style-type: none"> Expand single brackets and simplify Factorise into a single bracket 	End of unit quiz.

		<ul style="list-style-type: none"> Expand double brackets with positive terms 	
Summer 1 (5)	Pythagoras Theorem	<ul style="list-style-type: none"> Solve equations with squares and square roots Identify the hypotenuse Determine whether a triangle is right-angled Pythagoras theorem (find the hypotenuse) 	
	Linear and nonlinear Graphs (2)	<ul style="list-style-type: none"> Substitute into quadratic expressions Draw simple linear graphs Draw simple quadratic graphs 	
	Probability (2)	<ul style="list-style-type: none"> Identify and represent sets Intersection of a set Union of a set Complement of a set (E) Probability of a single event Use diagrams to work out probabilities 	
Summer 2 (6)		<ul style="list-style-type: none"> Enlargement (positive scale factor) Enlargement from a point (positive scale factor) Enlargement (fractional scale factor) Enlargement (negative scale factor) (E) Describe an enlargement Rotation about a point Describe a rotation Translation Describe a translation Reflection Find the result of a series of transformations (E) 	