ABINGDON
HOUSE SCHOOL

Curriculum map overview for Year 7 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)	***Sequences (2)***	• To understand sequence diagrams and number sequences • To understand the Term by Term rule of a sequence • To understand how to complete a sequence from a written rule • To understand linear and non-linear sequences.	***End of unit assessment***
	Algebraic notation and substitution (2)	• To under a 1 and 2 step function machines • To understand how to find a function - 1	***End of unit assessment***

		and 2 steps. ● To understand substitution within one step and two steps.	
	Expression and equations (2)	● To understand equality and equivalence ● To understand related facts. ● To understand like and unlike terms. ● To solve 1 and 2 step equations with division, multiplication, addition and subtraction.	***End of unit assessment***
Autumn 2 ***(7)***	***Place value, ordering and rounding (2)***	● To write integers in numerals and words. ● To understand intervals on a number line. ● To compare and order integers. ● To understand place value with decimals. ● To explore decimals on a number line. ● Compare and order decimals. ● To round to powers of 10. ● To round to the nearest integer. ● To round to decimal places.	***End of unit assessment***
	Four Operations (2)	● To add and subtract integers and decimals ● To multiply and divide by 10, 100 and 1000. ● To multiply by 0.1 and 0.01 ● To multiply and divide integers and decimals. ● To divide decimals by integers ● To divide by a decimal ● To recap the order of operation.	***End of unit assessment***
	Statistics - averages and range (1)	● To explore the mode, mean, median and range of a set of data. ● To solve problems with averages and range.	***End of unit assessment***
	Rounding and estimation (1)	● To round to 1 and 2 significant figures. ● To estimate answers to calculations ● To solve problems with estimation. ● To understand and use error interval notations.	***End of unit assessment***
Spring 1 (6)	***Grouping (3)***	● To understand and interpret bar graphs, pictograms, dual bar charts, composite bar charts, scatter graphs. ● To understand the line of best fit. ● To understand correlation and non-linear relationships. ● To understand time-series graphs.	***End of unit assessment***

	Fraction, Decimal and percentages (3)	• To represent tenths and hundredths. • To explore number lines with fractions and decimals • To explore tenths, hundredths, fifths, quarters, eighths and thousandths. • To understand percentages • To convert simple fraction, decimals and percentages. • To explore fractions in diagrams and number lines. • To explore equivalent fractions. • To use fractions as division. • To convert fractions, decimals and percentages which are greater than 1.	
Spring 2 (6)	***Directed number***	• To look at directed numbers and number lines. • To compare and order directed numbers. • To look at calculations that cross zero. • To look at directed number and zero pairs. • To add and subtract directed numbers. • To multiply and divide directed numbers. • To use the order of operations with directed numbers. • To use a calculator with directed numbers.	
	Fractions and percentages of amounts	• To use fraction of an amount. • To use a fraction to find the whole. • To find the percentage of amount (non-calculator) • To find a percentage of amount (calculator) • To increase and decrease by a percentage. • To use a percentage to find the whole. • To solve problems with fractions and percentages greater than 1.	
	Perimeter and area	• To convert metric units of length. • To solve the perimeter of a polygon and compound shapes. • To solve the area of rectangles and parallelograms. • To solve the area of a triangle and trapeziums. • To solve problems with perimeter and area. • To form expressions with perimeter and area.	

Summer 1 (5)	***Speed, distance and time***	• To convert between milliseconds, seconds, minutes and hours. • To convert between hours, days and years. • To convert fractions of times/ • To solve problems with tables and timetables/ • To solve problems with time and the calendar. • To calculate speed, time and distance/ • To solve problems with speed, distance and time. • Interpret distance - time graphs/ • To draw distance-time graphs/ • To calculate speed from a distance	
	Properties of number	• To explore multiples, factors and prime numbers. • To explore square, cube and triangular numbers. • To explore square roots and cube roots. • To explore higher powers and roots. • To explore the HCF and LCM. • To explore the HCF and LCM from a Venn diagram. • To use factors to simplify calculations.	
Summer 2 (6)	***Add and subtract fractions***	• To simplify a fraction. • To convert between mixed numbers and improper fractions. • To add and subtract fractions with the same denominator. • To add and subtract with fractions and integers. • To add and subtract fractions when denominators share a simple common multiple. • To add and subtract fractions with any denominator. • To add and subtract improper and mixed numbers/ • To use equivalence to add and subtract decimals and fractions. • To add and subtract simple algebraic fractions. • To use substitution solving equations with fractions.	
	Angles and	• Draw and measure lines and angles.	

	polygons	• Understand and use geometric notation. • To explore at angles around a point. • To explore angles on a straight line. • To explore vertically opposite angles. • To recognise and name polygons. • To explore angles in a triangle and quadrilateral. • To solve problems with angles. • To explore parallel and perpendicular lines. • To explore angles in parallel lines. • To explore angles in a polygon. • To explore simple proofs.	