ABINGDON
HOUSE SCHOOL

Curriculum map overview for Year 11H 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)	***Linear Graphs (2)***	To understand and be able to; ● Equations of lines parallel to the axes ● Plot straight line graphs ● Interpret y=mx + c (R) ● Find the equation for a graph from a point ● Find the equation for a line from a graph ● Equations of a straight line given a point and a gradient ● Equation of a straight line graph given two points	***End of unit assessment*** ***GCSE Fortnightly Past paper Non-Cal***

		• Determine if a point is on a line	
	Perpendicular Lines (1)	To understand and be able to; • Solve linear simultaneous equation graphically • Explore perpendicular lines • Find the equation of perpendicular lines • **Calculate with pressure and density**	***End of unit assessment*** ***GCSE Fortnightly Past paper Calculator***
	Non-Linear Graphs (2)	To understand and be able to; • Plot and Read from quadratic graphs • Plot and read from cubic • Plot and read from reciprocal graphs • Recognise graph shapes • Identify and interpret roots and intercepts of quadratics • Identify and use exponential graphs • Find and use the equation of a circle center. • Find the equation of the tangent to any curve	***End of unit assessment*** ***GCSE Fortnightly Past paper Non-Calculator***
	Using Graphs (2)	• Construct and interpret conversion graphs • Construct and interpret other real life graphs • Interpret distance time graphs • Construct distance time graphs • Construct and interpret speed/time graphs • Construct and interpret piece-wise graph • Recognise Interpret graphs that depict Direct and indirect proportions. • Find approximate solutions to equations using graphs.	***End of unit assessment*** ***GCSE Fortnightly Past paper Calculator***
Autumn 2 ***(7)***	***Expanding and factorising (2)***	To understand and be able to; • Expand and factorise a single bracket. • Expand Binomials	***End of unit assessment***

		• Factorize quadratic expressions • Use function machines (R) • Substitute into expressions and formula • Use function notation • Graphs of quadratic functions	***GCSE Fortnightly Past paper Calculator***
	Change the Subject (2)	To understand and be able to; • Solve linear equations • Solve linear inequalities • Form and solve equations and inequalities in the context of shape • Change the subject of a simple or known formula • Change the subject of a complex formula • Change a subject where the subject occurs more than once	
	Listing and describing (2)	To understand and be able to; • Work with organized list • sample spaces and probability R • complete and use Venn diagrams R • construct an interpret plans and elevations R • Use data to compare distributions R • interpreting scatter graphs R	***GCSE Weekly Past paper Calculato***
	Multiplicative Reasoning (1)	To understand and be able to; • Use scale factors (R) • Understand direct proportion • Understand inverse proportion • Ratio problems (R)	
Spring 1 (6)	***Geometric reasoning (2)***	• Angles at a point and on a line • Angles in special triangles and quadrilaterals • Angles in parallel lines and shapes (R) Exterior and interior angles of polygons (R) • Proving geometric facts • Solve problems involving vectors (R) • Review Pythagoras' theorem (R)	***GCSE Weekly Past paper Calculator***
	Algebraic Reasoning (2)	• Simplify complex expressions • Find the rule for the nth term of a linear	

		sequence R ● Use rules for sequences ● Solve linear simultaneous equations R	
	Revision Transformation and constructing (2)	● Perform and describe line symmetry and reflection ● perform and describe rotation and rotational symmetry ● perform and describe translations of shapes ● perform and describe enlargements of shapes ● perform and describe negative enlargements of shapes ● Identified transformation of shapes ● Perform and describe a series of transformation of shapes. ● Perform standard constructions using ruler and projector or ruler and compasses. R ● Solve loci problems.	***GCSE Weekly Past paper Calculato***
Spring 2 (6)	***Revision Listing and Describing (2)***	● Understand populations and samples ● Primary and secondary data ● Construct and interpret frequency tables and frequency polygons ● Construct an interpret two-way tables R ● Construct an interpret line and bar charts including composite bar charts ● Construction and interpret pie charts R ● Criticize charts and graphs ● Find an interpret averages from a list ● Find an interpret averages from a table ● Construct and interpret time series graphs ● Construct and interpret stem and leaf diagrams	***GCSE Weekly Past paper Calculato***
Summer 1 (5)		***Revision and Past Paper practice***	
Summer 2 (6)			