

MAGHULL HIGH SCHOOL – CURRICULUM MAP YEAR 9

Autumn 1	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8				
Sept - Oct												
TOPIC (S)	Straight Line	Straight Line	Straight Line	Forming & solving	Forming & solving	Testing	Testing conjectures	Revision &				
	Graphs	Graphs	Graphs	equations	equations	conjectures		Assessment				
Knowledge &	Straight Line Graphs											
Skills	• Lines parallel to the aves v=v v=-v											
development	 Lising tables of values 											
	Compare gradients											
	Compare intercepts											
	 Understand and use v=mx+c 											
	 Write an equation in the form v=mx+c (H) 											
	 Find the equation of a line from a graph 											
	 Interpret gradient and intercepts of real-life graphs 											
	Model real-life graphs involving inverse proportion (H)											
	• Explore perpendicular lines (H)											
	Forming & Solving Equations											
	Solve one and two step equations & inequalities (including brackets)											
	 Inequalities with negative numbers 											
	 Solve equations & inequalities with unknowns on both sides 											
	Solving equations and inequalities in context											
	 Substituting into formulae and equations 											
	Rearranging formulae (one and two step)											
	Testing Conjectures											
	Factors, Multiples & Primes											
	• True or False											
	Always, sometimes, never											
	Show that											
	Conjectures about number											
	• Expand a pair of binomials											
	Conjectures with algebra											
	• Explore the 100 grid											
	• Expand 3 binomials (H)											

Assessment / Feedback Opportunities	Retrieval Homework	Termly assessment	Speedy feedback for DIRT	Formative teacher assessment - verbal	Retrie V	Retrieval practice Warm Up					
Cultural Capital	Real life application of graphs and algebra Worded problems in various real life context.										
SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)	Working with unknown quantities.										
Reading opportunities	Murderous Maths Series by Kjartan Poskitt										
Key Vocabulary	Sequence, term, position, rule, term-to-term, table, graph, axes, linear, difference, ascending, descending, geometric, Fibonacci, arithmetic, position, function, input, output, estimate, operation, inverse, variable, coefficient, commutative, expression, evaluate, substitute, constant										
Digital Literacy	Geogebra										
Careers	Engineer, Shop Keeper										