



MAGHULL HIGH SCHOOL – CURRICULUM MAP YEAR 8

Autumn 2 Oct - Dec	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
TOPIC (S)	Working in the Cartesian Plane	Working in the Cartesian Plane	Working in the Cartesian Plane	Representing Data	Representing Data	Tables & Probability	Revision and Assessment
Knowledge & Skills development	<p>Working in the Cartesian Plane</p> <ul style="list-style-type: none"> Plot and interpret straight line graphs Understand and use equations of a straight line, including lines parallel to the axes Make links between direct proportion and straight lines in the form $y=kx$ Model situations by translating them into expressions, formulae and graphs <p>Representing Data</p> <ul style="list-style-type: none"> Draw and interpret scatter graphs Understand correlation Draw and use lines of best fit Understand grouped, ungrouped, discrete and continuous data Design and use one and two-way tables <p>Tables & Probability</p> <ul style="list-style-type: none"> List outcomes using sample space diagrams for one and two events Find probabilities using tables and Venn diagrams 						
Assessment / Feedback Opportunities	Retrieval Homework	Termly assessment	Speedy feedback for DIRT	Formative teacher assessment - verbal	Retrieval practice Warm Up		
Cultural Capital	Real life application of coordinates, graphs and probability. 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	Quadrant, horizontal, vertical, axes, origin, coordinate, parallel, graph, equation, substitute, multiplier, difference, intercept, incline, negative, descending, ascending, integer, input, output, symmetrical, curve, equidistant, midpoint, segment, mean, variable, increase, decrease, correlation, line of best fit, weak, strong, moderate, extrapolate, outlier, frequency, qualitative, quantitative, grouped, ungrouped, total, class boundary, continuous, discrete						

Digital Literacy	Geogebra
Careers	Statistician, Actuary, Analyser