



MAGHULL HIGH SCHOOL – CURRICULUM MAP YEAR 8

HALF TERM 2 Nov - Dec	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
TOPIC (S)	Linear Graphs	Linear Graphs	Linear Graphs	Accuracy and Estimation	Accuracy and Estimation	Revision and Assessment	STEM Activities
Knowledge & Skills development	<p>Linear Graphs (2nd November – 6th November)</p> <ul style="list-style-type: none"> plotting coordinates onto a cartesian plane and exploring the distance between different coordinates equations of horizontal and vertical lines representing inequalities on a cartesian plane representing inequalities on a cartesian plane and on a number line <p>Linear Graphs (9th November – 13th November)</p> <ul style="list-style-type: none"> plotting coordinates onto a grid and simple notation for labelling straight line graphs looking at the relationship between x-ordinates and y-ordinates for linear and non-linear graphs determining the gradient of linear graphs how the gradient of a line is determined using the equation of the line <p>Linear Graphs (16th November – 20th November)</p> <ul style="list-style-type: none"> exploring the relationship between the gradients of perpendicular and parallel lines explore the general form of the equation of a line finding equations of lines and writing them in the form $y = mx + c$ recognising equivalent lines <p>Accuracy and Estimation (23rd November – 27th November)</p> <ul style="list-style-type: none"> use a number line to decide when to round up or down approximation and how to use that to approximate answers to calculations round whole numbers to a given significant figure round decimal numbers to a given significant figure. <p>Accuracy and Estimation (30th November – 4th December)</p> <ul style="list-style-type: none"> investigate range when it comes to rounding numbers upper and lower bound mean and how this links with range solve problems working with lower and upper bounds to find maximum and minimum values estimate and solve problems using estimation <p>Week 6 (7th December – 11th December) Revision and Assessment</p>						

	Week 7 (14 th December – 18 th December) STEM Activities					
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 estimation					
SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)	The importance of estimation					
Reading opportunities	Mystery Math: First Book of Algebra by David A Adler Maths is Everywhere: Digits, Number lines, negative and positive numbers by R Colson					
Key Vocabulary	Coordinate, axis, axes, linear, origin, intercept, gradient, rounding, bound, significant, decimal,					
Digital Literacy	Excel Formulae					
Careers	Quantity Surveyor,					