



**MAGHULL HIGH SCHOOL – CURRICULUM MAP YEAR 7**

Autumn 1 Sept - Oct	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
TOPIC (S)	Sequences	Sequences	Understand and Use Algebraic Notation	Understand and Use Algebraic Notation	Equality and Equivalence	Equality and Equivalence	Revision & Assessment
Knowledge & Skills development	<p><b>Sequences</b></p> <ul style="list-style-type: none"> <li>Describe and continue sequences in diagram and number forms, both linear and non-linear</li> <li>Compare numerical and graphical forms</li> </ul> <p><b>Understand and Use Algebraic Notation</b></p> <ul style="list-style-type: none"> <li>Use single function machines and series of two function machines with numbers, bar models and letters</li> <li>Use and interpret algebraic notation</li> <li>Understand and use inverse operations</li> <li>Form and Substitute into expressions, including to generate sequences</li> </ul> <p><b>Equality and Equivalence</b></p> <ul style="list-style-type: none"> <li>Understand equality</li> <li>Use fact families</li> <li>Form and solve one-step equations</li> <li>Understand equivalence of algebraic expressions</li> <li>Collect like terms</li> </ul>						
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 sequences, algebra and equality. 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						

<b>Digital Literacy</b>	Geogebra
<b>Careers</b>	Engineer, Shop Keeper