



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

Spring 2 Feb - March	Week 1	Week 2	Week 3	Week 4	Week 5	
TOPIC (S)	Unit 11 - Area and Perimeter of 2D Shapes	Unit 11 - Area and Perimeter of 2D Shapes	Unit 13 - Prime Factor Decomposition	Unit 13 - Prime Factor Decomposition	Revision and Assessment	
<b>Knowledge &amp; Skills development</b>	<p>Area and Perimeter of 2D Shapes (22nd - 26th Feb))</p> <ul style="list-style-type: none"> <li>● Develop understanding of counting strategies in arrays to using similar strategies to calculate the area of shapes</li> <li>● Finding the area of rectilinear shapes</li> <li>● Finding the area of other 2-D shapes including triangles, and special quadrilaterals</li> </ul> <p>Area and Perimeter of 2D Shapes (1st - 5th March)</p> <ul style="list-style-type: none"> <li>● Generalise formulae for finding the area of 2-D shapes using the language of height, base, width, length etc.</li> <li>● Reason about generalised statements of the relationship between area and perimeter</li> </ul> <p>Prime Factor Decomposition (8th - 12th March)</p> <ul style="list-style-type: none"> <li>● Factors and multiples, square numbers, cube numbers, prime number, triangular</li> <li>● Write a number as a product of primes</li> <li>● Find the highest common factor and lowest common multiple using the prime factorisation</li> <li>● Determine LCM by prime factorisation</li> </ul> <p>Prime Factor Decomposition (15th - 19th March)</p> <ul style="list-style-type: none"> <li>● Find squares, square roots, cubes and cube roots using prime factorisation</li> <li>● Use indices to record repeated multiplication</li> <li>● Calculate with the use of a calculator, including squares, cubes, square roots and cube roots</li> </ul> <p>Revision and Assessment (22nd - 26th March)</p>					

<b>Assessment / Feedback Opportunities</b>	Retrieval Homework	Termly assessment	Speedy feedback for DIRT	Formative teacher assessment - verbal	Retrieval practice Warm Up	DFM Tasks
<b>Cultural Capital</b>	Real life application of area and perimeter.					
<b>SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance &amp; Respect)</b>	Use imagination and creativity to explore ideas whilst learning mathematics by identifying and patterns and rules to everyday problem solving. Understanding the consequences of actions (e.g. if you perform a particular action to one number, will the same outcome apply to other numbers?) Perseverance when struggling to answer questions, not being afraid to try.					
<b>Reading opportunities</b>	Murderous Maths by Poskitt Kjartan					
<b>Key Vocabulary</b>	height, length, width, dimension, area, perimeter, metre, centimetre, millimetre, kilometre, factors, multiples, primes, square, cube					
<b>Digital Literacy</b>	Dr Frost Maths, MS Teams					
<b>Careers</b>	Architect, Joiner, Surveyor, Construction, Carpet Fitter, Computer Programmer					