



# MAGHULL HIGH SCHOOL – CURRICULUM MAP YEAR 7

Summer 2 June -- July	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
TOPIC (S)	Developing Number Sense	Sets and Probability	Sets and Probability	Revision and Assessment Week	Prime Numbers and Proof	Prime Numbers and Proof
Knowledge & Skills development	<p><b>Developing Number Sense</b></p> <ul style="list-style-type: none"> <li>Mental arithmetic strategies</li> <li>Use known facts to derive other facts</li> <li>Evaluate an algebraic expression given a related fact</li> <li>Use estimation</li> </ul> <p><b>Sets and Probability</b></p> <ul style="list-style-type: none"> <li>Understand and use set notation</li> <li>Draw and interpret Venn Diagrams</li> <li>Understand and use the language of probability</li> <li>Calculate the probability of an event</li> <li>Use the sum of probabilities of an event is 1</li> </ul> <p><b>Prime Numbers and Proof</b></p> <ul style="list-style-type: none"> <li>Recognise prime, square and triangle numbers</li> <li>Express a number as a product of prime factors</li> <li>Powers and roots</li> <li>Make and test conjectures</li> <li>Understand and use counter examples</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 probability. Worded problems in various real life context.					
SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)	Working with unknown quantities.					

<b>Reading opportunities</b>	Murderous Maths Series by Kjartan Poskitt
<b>Key Vocabulary</b>	Algebra, variable, Venn Diagram, probability, intersection, probability, mutually exclusive, prime, factor, decomposition, conjecture
<b>Digital Literacy</b>	Geogebra
<b>Careers</b>	Actuary, Computer Programmer