



MAGHULL HIGH SCHOOL – CURRICULUM MAP YEAR 8

HALF TERM 1 Jan - Feb	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6
TOPIC (S)	Unit 6 - Ratio, real life graphs and rates of change	Unit 6 - Ratio, real life graphs and rates of change	Unit 6 - Ratio, real life graphs and rates of change	Unit 7 - Direct and inverse proportion	Unit 7 - Direct and inverse proportion	Revision, Assessment And DIRT
Knowledge & Skills development	<p>Ratio, real life graphs and rates of change (4th – 8th January)</p> <ul style="list-style-type: none"> ● Use ratio notation to describe a multiplicative relationship between two quantities (revise from year 7) ● Solve problems involving ratios (revise from year 7) <p>Ratio, real life graphs and rates of change (11th – 15th January)</p> <ul style="list-style-type: none"> ● Explore ratios in different contexts including speed and other rates of change ● Contrast ratio relationships involving discrete and continuous measures <p>Ratio, real life graphs and rates of change (18th – 22nd January)</p> <ul style="list-style-type: none"> ● Use speed and other rates of change to draw and interpret graphical representations ● Explore density and concentration as other contexts for proportional relationships <p>Direct and inverse proportion (25th – 29th January)</p> <ul style="list-style-type: none"> ● Explore contexts involving proportional relationships ● Represent proportional relationships using tables and graphs ● Represent proportional relationships algebraically ● Understanding about graphs of proportional relationships ● Solve proportion problems <p>Direct and inverse proportion (1st – 5th February)</p> <ul style="list-style-type: none"> ● Meaning and properties of inverse proportional relationships ● Investigate constant area as a context for indirect proportion ● Represent inverse proportion relationships algebraically <p>Revision (8th – 12th February) Revision, Assessment and DIRT</p>					

Assessment / Feedback Opportunities	Retrieval Homework	Termly assessment	Speedy feedback for DIRT	Formative teacher assessment - verbal	Retrieval practice Warm Up	DFM
Cultural Capital	Real life application of ratio and rates of change.					
SMSC / Promoting British Values (Democracy, Liberty, Rule of Law, Tolerance & Respect)	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.					
Reading opportunities	Murderous Maths by Poskitt Kjartan					
Key Vocabulary	ratio, sharing, multiplicative, proportional, rate, direct, inverse, measures, relationships, context					
Digital Literacy	Dr Frost Maths, MS Teams					
Careers	Chef, Baker, mechanic, scientist, painter, business manager					