MAGHULL HIGH SCHOOL – CURRICULUM MAP YEAR 8

Autumn 1 Sept - Oct	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
TOPIC (S)	Ratio and Scale	Ratio and Scale	Multiplicative Change	Multiplicative Change	Multiplying and Dividing Fractions	Multiplying and Dividing Fractions	Revision & Assessment

Knowledge & Skills development	**Ratio and Scale** • Understand ratio and its links to multiplication • Use ratio notation • Reduce ratios to simplest form • Solve ratio problems • Calculate the circumference of a circle **Multiplicative Change** • Use scale factors, linking to ratio, to solve simple direct proportion problems • Convert between currencies, including using graphs • Draw and interpret scale diagrams and maps **Multiplying and Dividing Fractions** • Multiply and divide a fraction by an integer • Multiply and divide a fraction by a fraction • Understand and use the reciprocal

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 ratio and scale. 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	Ratio, equal parts, proportion, relationship, order, colon, divide, proportional, multiply, part, multiplier, placeholder, units, share, total, label, factors, equivalence, simplify, scale, compare, fraction, numerator, denominator, perimeter, circumference, constant, pi, regular, diameter, gradient, linear, axes, variable, conversion, approximation, rate, currency, origin, scale factor, length, enlargement, image, distance, conversion, metric				

Digital Literacy	Geogebra
Careers	Engineer, chef, haridresser