Maths- Y11F

MAGHULL HIGH SCHOOL – CURRICULUM MAP

HALF TERM 3 JAN-FEB	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	
TOPIC (S)	**Algebra and Graphs**	**Algebra and Graphs**	**Growth and Decay**	**Sketching Graphs**	**Sketching Graphs**	**Exam skills practice interleaved through the HT**	
Knowledge & Skills development	**Algebra and Graphs** solve linear equations: • in one unknown algebraically • including those with the unknown on both sides of the equation find approximate solutions using a graph translate simple situations or procedures into algebraic expressions or formulae derive an equation (or two simultaneous equations), solve the equation(s) and interpret the solution **Growth and Decay** • set up, solve and interpret the answers in growth and decay problems, including compound interest • Recap percentage skills **Sketching Graphs** Recognise, sketch and interpret graphs of: • linear functions and quadratic functions • simple cubic functions and the reciprocal function $y = 1/x$ with $x \neq 0$						

Assessment / Feedback Opportunities	Topic assessments	Self-assessment sheets	Homework	Formative teacher assessment - verbal	Retrieval practice	
Cultural Capital	Growth and decay in terms of bank investments, loans and depreciation.					
SMSC / Promoting British Values **(Democracy, Liberty, Rule of Law, Tolerance & Respect)**	Willingness to participate in, and respond to mathematical opportunities. Use of social skills in different contexts, including working and socialising with pupils from different religious, ethnic and socio-economic backgrounds.					
Reading opportunities	Mathematics in the Simpsons What's the point of Maths?					
Key Vocabulary	Percentage, Per Annum, Multiplier, Appreciate, Depreciate, Inequality, Less than, More than, Solution, Solution Set.					
Digital Literacy	DESMOS, Geogebra					
Careers	Medicine, Engineer, Banking and Investment.					