Maths- Y11H

MAGHULL HIGH SCHOOL – CURRICULUM MAP



HALF TERM 4 FEB-MAR	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	
TOPIC (S)	Circle Theorems	Circle Theorems	Mock Exams	Mock Exams	Further Sketching Graphs	Transforming Functions	
Knowledge & Skills development	Circle Theoremsapply and prove theangles and rtangents andtangents anduse them to prove referenceFurther Sketching GRecognise, swith $x \neq 0$ exponentialand the trigsymmetry ofTransforming Functionsketch translation	standard circle theor adii d chords elated results raphs ketch and interpret g functions $y = k^x$ for p conometric functions f functions) ions ations and reflections of	ems concerning: raphs of linear function positive values of k, (with arguments in de	ons, quadratic function egrees) y=sinx , y=co	ns, simple cubic functi sx and y=tanx for ar	ions, and the reciprocangles of any size (inclu	al function y=1/x
	 Algebraic Fractions simplify and expanding p factorising q 	y:					

Assessment /	Topic assessments	Self-assessment	Homework	Formative teacher assessment - verbal	Retrieval practice				
Feedback		sheets							
Opportunities									
Cultural Capital	Exponential growth of diseases.								
	Proving a statement with clear evidence.								
SMSC / Promoting	Willingness to participate in, and respond to mathematical opportunities. Use of social skills in different contexts, including working and								
British Values	socialising with pupils from different religious, ethnic and socio-economic backgrounds.								
(Democracy, Liberty, Rule of									
Law, Tolerance & Respect									
Reading	Mathematics in the Simpsons								
opportunities	What's the point in Maths?								
	Humble pi								
Key Vocabulary	Circle, Theorem, Radii, Tangent, Segment, Subtend, Arc, Chord, Diameter, Proof, Graph, Sketch, Plot, Axis, Intercept, Shape, Linear,								
	Quadratic, Reciprocal, Cubic, Exponential, Solutions, Equation, Function, Roots, Turning Points, Period, Cycle, Repeat, Asymptote, Reflect,								
	Translate, Simplify, Solve, Manipulate, Factorise,								
Digital Literacy	DESMOS, Geogebra, DFM, MSTeams								
Careers	Architecture, Team Leader, Construction, Medicine, Engineer, Science, Finance, Chemist, Nursing, Machinists, Actuaries, Statistician								