	culum Long Term nning Overview	Кеу	/ Stage 3	Subject Area Maths	a:	Academic Year: 2	2022-23
Year	Study	Autumn	Autumn	Spring	Spring	Summer	Summer
	Modules	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2
		Indices and Roots	Algebraic	Algebraic Expressions and	Proportional Reasoning	Algebraic Proficiency – Visualising	Algebraic Proficiency – Visualising
		Calculate with		Formulae	Solve		
		powers and			problems	Plot and	Plot and
		roots		Understand	involving	interpret linear	interpret linear
				equations and	different types	graphs	graphs
		Explore the		identities	of proportion		
		use of			<b>-</b>	Plot and	Plot and
		standard form		Manipulate	Investigate	quadratic	quadratic
				algebraic	ways of	graphs	graphs
		Explore the		expressions	representing		
		effects of			proportion	Model real	Model real
		rounding		Construct		situations	situations
				algebraic	Understand	using linear	using linear
Vaar		Algebraic		statements	and solve problems	graphs	graphs
Year	Study			Proportional	involving		Solving
7	Modules			Reasoning	congruence		Equations
Set 1	riodules						and
				Solve	Understand		Inequalities
				problems	and solve		
				involving	problems		Solve linear
				different types	involving		equations with
				of proportion	similarity		the unknown
				Investigate	Know and use		on one side
				ways of	compound		Solve linear
				representing	units in a		equations with
				proportion	range of		the unknown
					situations		on both sides
				Understand			
				and solve	Sequences I		Explore
				problems			connections
				involving	Explore		between
				congruence	sequences		graphs and
							equations

		Understand and solve problems involving similarity Know and use compound units in a range of situations		
		situations		
Manipulation	Manipulation			

Understand the notation of algebra Manipulate algebraic expressions Evaluate algebraic statements	Understand the notation of algebra Manipulate algebraic expressions Evaluate algebraic statements <b>Visualising and Constructing</b> Know standard mathematical constructions		
	Explore ways of representing 3D shapes		

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	Open book	Closed book	Open book	Open book	Open book	Closed book
	end of topic	end of term	end of topic	end of topic	end of topic	end of term
	assessment	test	assessment	assessment	assessment	test
Assessment						

	Year	Study	Autumn	Autumn	Spring	Spring Term 2	Summer	Summer
ł	- Tear	Modules	Term 1	Term 2	Term 1	Term 2	Term 1	Term 2

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		Conjecturing	Probability	Algebraic	Presentation	Solving	
				Functions	of Data	Equations	
		Explore the	Understand			and	
		congruence of	and use tree	Investigate	Construct and	Inequalities	
		triangles	diagrams	features of	interpret	III	
				straight line	graphs of time		
		Investigate	Develop	graphs	series	Solve	
		geometrical	understanding			simultaneous	
		situations	of probability	Explore graphs	Interpret a	equations	
			in situations	of quadratic	range of		
		Form	involving	functions	charts and	Use graphs to	
		conjectures	combined		graphs	solve	
			events	Explore graphs		equations	
		Create a		of other	Interpret		
		mathematical	Use probability	standard	scatter	Solve	
		proof	to make	non-linear	diagrams	problems	
			predictions	functions		involving	
		Sequences			Explore	simultaneous	
		II		Create and	correlation	equations	
				use graphs of			
		Investigate		non-standard			
		Fibonacci		functions			
Year	Study	numbers					
8	- 1			Solve			
Set 1	Modules	Investigate		kinematic			
		Fibonacci type		problems			
		sequences					
		Explore					
		quadratic					
		sequences					
		Solving					
		Equations					
		and					
		Inequalities					
		Inequalities					
		-					
		Explore the					
		meaning of an					
		inequality					
		inequality					
		Solve linear					
		inequalities					
		inequalities					
							Transformation

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				Explore enlargement of 2D shapes
				Investigate the transformation of 2D shapes

Open book end of topic assessment Closed book end of topic test Open book end of topic assessment Open book end of topic assessment Open book end of topic assessment Open book end of topic assessment Closed book end of topic assessment Closed book end of topic assessment Open book end of topic assessment Open book end of topic assessment Closed book end of topic assessment Open book end of topic assessment Closed book end of topic assessment Closed book end of topic assessment Open book end of topic assessment Closed book end of topic assessment Closed book end of topic assessment Open book end of topic assessment Closed book end of topic assessment Open book end of topic assessment Closed book end of topic assessment Open book end of topic assessment Open book end of topic assessment Closed book end of topic assessment Open book end of topic assessment Open book end of topic assessment Closed book end of topic assessment Open book end of topic assessment
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