

NAME		TEACHER				
My GCSE Target Grade is		End of Cycle Teacher Assessment Please circle				
		SAE	AE	E	BE	SBE
End of unit assessment type		Your end of topic assessment will be a written exam.				

YEAR 9H (DELTA/THETA)	CYCLE 2: ALGEBRA & SEQUENCES
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	Knowledge	Prior knowledge	End of topic
Algebra	Re-arranging Formulae – I can re-arrange/change the subject of simple formulae such as SDT		
	Advanced Substitution – I can substitute numbers (including negatives and fractions) into formulae and re-arrange for ease; and apply to real life contexts		
	Algebraic Indices – I can use the rules of indices to simplify algebraic expressions		
	Expanding Single Brackets - I can expand single brackets involving positive and negative numbers and powers greater than 2		
	Factorising Single Brackets - I can find the highest common factor and factorise algebraic expressions		
	Solving Equations 1 – I can solve equations involving brackets and with unknowns on both sides and apply to problem solving questions involving shapes		
	Solving Equations 2 – I can solve equations involving numerical fractions		
	Expanding Double Brackets – I can expand the product of two brackets involving positive and negative numbers		
	Factorising Quadratics – I can factorise quadratics of the form $x^2 + bx + c$ and know and use the difference of two squares when necessary		
Quadratics – I can find the roots of a quadratic function of the form $x^2 + bx + c = 0$ and sketch			
Sequences	Linear Sequences – I can find subsequent terms in a sequences and determine whether a number is a part of a sequence		
	Nth Term – I can find the nth term of an arithmetic sequence		
	Geometric Sequences – I can continue and solve problems using geometric sequences		
	Fibonacci Sequences – I can work out terms in Fibonacci sequences		
	Quadratic Sequences – I can find the nth term of a quadratic sequence		

LEARNING TOOLS

KEY CONCEPTS	Fibonacci	What do you know about this famous sequence?			
KEY WORDS	Estimate	Substitute	Nth Term	Factorise	
KEY EQUATION	Quadratic Equation $ax^2 + bx + c$				