

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.				

<b>YEAR 9H (DELTA/THETA)</b>	<b>CYCLE 1: NUMBER &amp; SURDS</b>
------------------------------	------------------------------------

	<b>Knowledge</b>	Prior knowledge	End of topic
<b>Number</b>	<b>Estimation</b> – I can estimate the answer to calculations by rounding to one significant figure and apply to problem solving questions		
	<b>Number Problems</b> – I can work out the total number of ways of performing a series of tasks		
	<b>HCF &amp; LCM</b> – I can write any number as a product of its prime factors and find the highest common factor and lowest common multiple of two numbers		
	<b>Indices</b> - I can use powers and roots in calculations		
	<b>Index Laws</b> – I can use multiply and divide using index laws and work out a power raised to a power		
	<b>Negative Indices</b> – I can use negative indices to work out calculations and simplify expressions		
	<b>Fractional Indices</b> – I can use fractional indices to work out calculations and simplify expressions		
	<b>Standard Form</b> – I can use standard form to write big or small numbers as a power of 10		
	<b>Calculate with Standard Form</b> – I can calculate (multiply / divide) with numbers in standard form and apply to problem solving questions		
<b>Surds</b>	<b>Surds</b> – I understand the difference between rational and irrational numbers		
	<b>Surds 2</b> – I can simplify surds using square number factors		
	<b>Surds &amp; Brackets</b> – I can expand single and double brackets involving surds and simplify		
	<b>Rationalising</b> – I can rationalise the denominator of a surd (including of the form $a\sqrt{b} + c$ )		

<b>LEARNING TOOLS</b>
-----------------------

<b>KEY CONCEPTS</b>	<b>Standard Form</b>	Why do we use standard form to write really big or really small numbers?			
	<b>Surd</b>	An irrational number - another name for the square root			
<b>KEY WORDS</b>	<b>Estimate</b>	<b>Prime Number</b>	<b>Nth Term</b>	<b>Indices</b>	
<b>KEY EQUATION</b>		(A number between 1 and 10) x (10 to the power)			