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 10 HIGHER — CYCLE 4: TRIGONOMETRY

	Knowledge	Prior knowledg	End of topic
Trigonometry	**Upper & Lower Bounds** – I can use upper and lower bounds in calculations involving trigonometry in right-angled triangles		
	Graph of Sine Function – I understand how to find the sine of any angle and know the graph of the sine function and can use it to solve equations		
	Graph of Cosine Function – I understand how to find the cosine of any angle and know the graph of the cosine function and can use it to solve equations		
	Graph of Tangent Function – I understand how to find the tangent of any angle and know the graph of the tangent function and can use it to solve equations		
	Exact Trig Values – I know the exact values of sinθ and cosθ for θ = 30°, 45°, 60° and 90° and tanθ for θ = 30°, 45° , 60°		
	Area of a Triangle – I can calculate the area of a non-right-angled triangle using 1/2abSinc and solve more difficult problems involving rearranging the formula		
	Segment of a Circle – I can find the area of the segment of a circle and apply to problem solving questions		
	Sine Rule – I know the formula and can use the Sine Rule in 2D problems to find missing sides and angles		
	Cosine Rule – I know the formula and can use the Cosine Rule in 2D problems to find missing sides and angles		
	Bearings & Trigonometry – I can use and apply trigonometric functions when solving problems involving bearings		
	3D Pythagoras & Trigonometry – I can use Pythagoras and trigonometry in 3D to solve problems		
	Transformations of Trig Graphs – I can recognise how changes in a function affect trigonometric graphs on an axis (including inverse functions)		

LEARNING TOOLS

KEY CONCEPTS	**Area of a Triangle**	**1/2abSinC is the _____**			
	What is Sin90?	**Segment of a circle = _____- _____**			
KEY WORDS					
KEY EQUATION		**Cosine Rule =**			