

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 4: ANGLES & TRIGONOMETRY

	Knowledge	Prior knowledge	End of topic
Angles	Angle Properties – I can derive and use the sum of angles in a triangle and quadrilateral		
	Angle Facts – I know and can use angle facts to find missing angles (vertically opposite, angles on a straight line, supplementary)		
	Angles in Polygons 1 – I can derive the formula for the sum of the interior angles of any regular polygon		
	Angles in Polygons 2 – I can calculate the interior and exterior angles of regular polygons		
	Angles in Parallel Lines - I can understand and use the angles properties in parallel lines and find missing angles using corresponding, alternate and supplementary angle rules		
	Angles & Algebra – I can solve angle problems by forming and solving equations		
Trigonometry	Pythagoras Theorem 1 – I can calculate the length of the hypotenuse and shorter side in a right-angled triangle and solve problems		
	Pythagoras Theorem 2 – I can calculate the length of a shorter side in a right-angled triangle and solve problems		
	Trigonometry 1 - I can use trigonometric ratios to find lengths in a right-angled triangle and solve problems in 2D		
	Trigonometry 2 - I can use trigonometric ratios to calculate angles in a right-angled triangle and solve problems in 2D		
	Trigonometry 3 – I can find angles of elevation and depression using trigonometry		
	Exact Trig Values _ I know the exact values of the sine, cosine and tangent of angles of 0, 30, 45, 60 and 90 degrees AND can derive using an equilateral / isosceles triangle		

LEARNING TOOLS

KEY CONCEPTS	Angles in a Polygon	Sum of Interior Angles: $(n-2) \times 180$ Exterior Angle: $360/n$ (where n is the number of sides)			
	Pythagoras Theorem	$a^2 + b^2 = c^2$ in any right angled triangle			
KEY WORDS	Interior	Exterior	Corresponding	Alternate	
KEY EQUATION		SOH CAH TOA			