

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

<b>YEAR 11 FOUNDATION</b>	<b>CYCLE 4: ALGEBRA &amp; SHAPE</b>
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	<b>Knowledge</b>	Prior knowledge	End of topic
<b>Algebra Recap</b>	<b>Simultaneous Equations</b> - I can solve simultaneous equations where one or both equations need changing and apply to worded problems		
	<b>Factorising</b> – I can factorise linear expressions with multiple terms and apply to problems		
	<b>Algebraic Fractions</b> – I can use factorisation to simplify simple algebraic fractions		
	<b>Factorising Quadratics</b> – I can factorise quadratic expressions of the form $x^2 + bx + c$		
	<b>Solving Quadratics</b> – I can solve a quadratic equation by factorising and know what the roots are on a graph		
	<b>Forming &amp; Solving Equations</b> – I can form expressions and solve equations from a worded problem, angles problem and area / perimeter problem		
	<b>Inequalities</b> – I can use the correct notation to show greater than, less than and equal to		
	<b>Inequalities 2</b> – I can identify whole numbers which satisfy an inequality and represent inequalities on a number line		
	<b>Solving Inequalities</b> – I can solve linear inequalities and represent solutions on a number line		
<b>Shape</b>	<b>Angles</b> - I can find unknown angles in special triangles and give reasons for my calculations		
	<b>Angles in Polygons</b> - I can calculate the interior and exterior angles of regular polygons		
	<b>Angles in Parallel Lines</b> – I can understand and use the angles properties in parallel lines and find missing angles using corresponding, alternate and supplementary angle rules		
	<b>Bearings</b> – I can find and use three figure bearings and use angles at parallel lines to work out bearings		
	<b>Bearings 2</b> – I can solve problems involving bearings and scale diagrams		
	<b>Loci</b> – I can use a compass to draw the locus of a point and use to solve problems		
	<b>Constructions</b> – I can use a compass to complete angle and perpendicular bisectors		

## LEARNING TOOLS

<b>MY KEY TOPICS</b>	<b>KEY TOPIC 1</b>				
	<b>Bearing</b>	Used by planes and ships, must always include 3 digits, start from north and rotate clockwise			
<b>KEY WORDS</b>	<b>Roots</b>	<b>Elimination</b>	<b>Locus</b>	<b>Intersection</b>	
<b>KEY EQUATIONS</b>	<b>Interior</b> <b><math>(n-2) \times 180</math></b>	<b>Exterior</b> <b><math>360/n</math></b>	where n is the number of sides		