Yr11: ASK Yourself!

Subject: Maths Unit: Foundation (Whole Year)

	Launching 1-2	Developing 3-4	Progressing 5-6	Mastering 7-9
S kills				
	I need to be able to use the skills of TENSILE in maths.	I use TENSILE skills sometimes in maths.	I can use each of the TENSILE skills confidently.	I can expertly use TENSILE and see how each skill helps me learn.
K nowledge				
Simplifying Expressions	I can confidently form and simplify expressions where needed.	I can confidently simplify expressions using the laws of	I can confidently simplify expressions using brackets including double	
		indices.	brackets.	
Solving equations	I can confidently solve multi step linear equations.	I can confidently form and solve linear equations including those involving fractions and brackets.	I can confidently solve quadratic equations by factorisation.	
Sequences	I can confidently use number patterns to describe sequences.	I can confidently find the nth term of a linear sequence and use it to solve problems.	I can confidently identify a quadratic sequence and use its pattern to solve problems.	
Algebraic Graphs	I can confidently plot graphs of linear and quadratic equations.	I can confidently find the equation of a linear graph using y=mx+c.	I can confidently find solutions to problems using either linear or quadratic graphs.	
Perimeters and areas	I can find the area and perimeter of basic shapes including rectangles, triangles and parallelograms.	I can find the perimeter and area of basic shapes where unit conversion is required e.g. some lengths in mm and some in cm.	I can find the perimeter and area of a compound shape and of a circle.	

Volume and	T can confidently	T can find the	T can find the	
volume and	describe the	volume and	volume and surface	
surtace area	properties of a	surface area of	area of complex	
	prism.	simple prisms	prisms and solve	
		including cylinders.	problems in context.	
Transformations	I can confidently	I can confidently	I can confidently	
Transformations	reflect and rotate a	reflect rotate	describe a sinale	
	shape.	and translate a	transformation	
		shape	obtained from a	
			combined	
			transformation	
Pythaooras and	I can confidently	I can confidently	I can confidently	
	state Pythagoras	solve simple	use Pythagoras and	
Irigonometry	theorem and the	problems using	Trigonometry to	
	trig ratios.	Pythagoras or	solve problems in a	
		Trigonometry.	real life context.	
Anales	I can confidently	I can confidently	I can use a formal	
Angres	calculate the sum of	use the polygon	proof to show the	
	interior angles in a	and parallel lines	sum of angles in a	
	polygon, exterior	angle rules to	triangle and	
	and interior angles	solve problems.	quadrilateral.	
	of regular polygons.			
Probability	I can confidently	I can confidently	I can confidently	
i i obabili j	calculate the	calculate	calculate	
	probability of a	probabilities using	probabilities of	
	single event and	relative frequency	multiple events using	
	represent using a	and experimental	tree diagrams.	
	probability scale.	probability.		
Averages	I can confidently	I can confidently	I can confidently	
	calculate averages	calculate averages	calculate averages	
	from a list of data.	from a frequency	from a group	
		table.	frequency table.	
Representing data	I can confidently	I can confidently	I can confidently	
	produce and	produce and	produce and	
	interpret a bar	interpret a pie	interpret scatter	
	chart, pictogram,	chart and time	diagrams and	
	frequency polygon	series graph.	cumulative	
	and stem and leaf		frequency curves.	
	diagram.			