





Yr8: ASK Yourself!

Subject: Maths
Unit: Spring Term

	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				
Percentages	I can confidently calculate percentages of amounts.	I can confidently compare two quantities using percentages and calculate percentage increases and decreases.	I can confidently use multipliers to calculate percentage increases and decreases.	I can confidently calculate reverse percentages and solve compound interest problems in context.
Introduction to graphs	I can confidently draw and recognise the equations of horizontal and vertical lines.	I can confidently draw a straight line graph from an equation.	I can confidently find a gradient and y intercept of a straight line and give the equation.	I can confidently find the equation of a straight line when given specific information.
Transformations	I can confidently identify lines of symmetry on shapes.	I can confidently reflect and rotate a shape.	I can confidently reflect, rotate and translate a shape.	I can confidently describe a single transformation obtained from a combined transformation.
Circles	I can confidently know and label the parts of a circle.	I can confidently find the circumference of a circle in context and give the answer in terms of π or decimals.	I can confidently find the area of a circle in context and give the answer in terms of π or decimals.	I can confidently find the area, circumference and perimeter of compound shapes including arcs and sectors.
Angle Properties	I confidently know how to calculate missing angles using the sum of angles in a straight line,	I can apply the angle properties at a point, at a point on a straight line and vertically opposite angles.	I confidently use angle properties of polygons to justify why a shape or set of shapes tessellate.	I can confidently derive and use properties of regular polygons i.e. interior and exterior angles.

triangle and
around a point.