



## Yr8: ASK Yourself!

**Subject: Maths**

**Unit: Summer Term**

	Launching 1-2	Developing 3-4	Progressing 5-6	Mastering 7-9
<b>S</b> 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.
<b>K</b> knowledge				
<b>Scattergraphs</b>	I can describe a relationship between two variables from a given scatter diagram.	I can confidently plot a scatter graph using my own scales and I can draw a line of best fit.	I can draw a line of best fit through a mean point and I understand how a line of best fit can be used to make predictions and can describe its limitations.	I know and understand why correlation does not imply causation. I can also find the equation of a line of best fit.
<b>Inequalities</b>	I can confidently represent inequalities on a number line.	I can confidently represent multiple inequalities on a number line and state the region that satisfies them all.	I can confidently solve inequalities and plot them on a graph.	I can confidently plot multiple inequalities on a graph and shade the region described.
<b>Probability</b>	I confidently know how to use a probability scale.	I confidently know how to calculate simple probabilities.	I confidently know how to calculate probabilities via the use of two way tables.	I confidently know how to calculate experimental and theoretical probability.
<b>Questionnaires</b>	I can confidently design a questionnaire to test a hypothesis.	I can confidently recognise when a question is redundant in terms of the hypothesis being investigated.	I can confidently recognise and justify when a question is biased and design a better question.	I can confidently recognise mistakes in questions and correct them.
<b>Volume</b>	I can confidently define the number of faces, edges and vertices of a 3D	I can confidently describe the properties of a prism.	I can find the volume of simple prisms including cylinders using cross sectional	I can find the volume of complex prisms and solve problems in context.

	shape.		area.	
<b>Compound Measures</b>	I can confidently describe and draw situations represented by real life graphs.	I can confidently find the compound measure of an object when given the elements that form it.	I can confidently manipulate compound measure formulae to find other unknowns. I also know and understand the units required for each measure.	I can confidently convert between units of density or speed.