

# Yr10: ASK Yourself!

Subject: Maths

Unit: Foundation (Whole Year)

	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> nowledge				
<b>Quadratic Inequalities</b>	I can confidently identify and use the inequality symbols.	I can confidently solve a single linear inequality and represent on a number line.	I can confidently solve quadratic inequalities and represent the solution on a number line.	I can confidently draw a quadratic inequality on a graph and shade the correct region.
<b>Sampling</b>	I know what a random sample is and how to collect one from a set of data.	I can use sampling techniques with confidence.	I can use all sampling techniques including stratified.	I can use all sampling techniques including stratified in context.
<b>Averages</b>	I know what the different averages are and can collect them for a list of data.	I know what the different averages are and can collect them for a list, table and frequency table.	I can correctly pick the correct average to collect and then calculate it with confidence.	I can correctly pick the correct average to use depending on the context of the question.
<b>Plot and Interpret Graphs</b>	I can confidently plot linear graphs by finding coordinates.	I can confidently plot and interpret quadratic graphs.	I can confidently plot and interpret cubic graphs.	
<b>Trigonometry</b>	I can confidently use Pythagoras theorem to solve problems.	I can confidently recall some exact values of sin, cos and tan.	I can confidently use Pythagoras and trigonometry to solve problems involving right angled triangles.	

<b>Statistical Graphs</b>	I can confidently draw and interpret a bar charts and pictograms.	I can confidently draw and interpret pie charts.	I can confidently draw and interpret scatter graphs.	
<b>Problem Solving</b>	I can confidently identify key information in a worded problem.	I can confidently use information to calculate an answer to a worded question.	I can confidently set my work out in clear stages and fully explain my answer.	
<b>Functional Maths</b>	I can confidently break a problem down into small steps.	I can confidently find a pattern to a set of results and describe it in words.	I can confidently find a pattern to a set of results and use it to predict future results.	