

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

YEAR 10 HIGHER	CYCLE 3: SHAPE & STATISTICS
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	Knowledge	Prior knowledge	End of topic
Shape & Proportion	Similar Shapes - I can use the ratio of corresponding sides to work out scale factors and find missing lengths on similar shapes		
	Linear / Area Scale Factor – I can use linear and area scale factor to solve geometric problems and understand the links between similar shapes and area		
	Similarity in 3D Shapes – I can use the link between scale factors for length, area and volume to solve problems and correctly use the scale factor		
	Congruent Triangles – I can identify and show that two triangles are congruent and know the conditions of congruence		
	Geometric Proof – I can prove shapes are congruent using SSS, ASA, SAS, RHS		
Statistics	Sampling – I can use fractions and percentages to work out data from a table and understand how to take a simple random sample & stratified sample		
	Cumulative Frequency – I can draw and interpret cumulative frequency tables and diagrams and work out the median, quartiles and interquartile range		
	Box Plots – I can draw and interpret box plots and make comparisons by commenting on the median and spread of data of two box plots		
	Histograms 1 – I understand frequency density and can draw histograms given a frequency table		
	Histograms 2 – I can interpret histograms and work backwards to complete the table given the graph		
	Populations – I can compare any two sets of data and comment on measures of spread and averages (including median)		
	Averages from a Table – I can calculate the mean and median from a frequency table (including with grouped data)		

LEARNING TOOLS					
KEY CONCEPTS	Frequency Density	Write the formula here:			
	Scale Factor	Length, Area and Volume.			
KEY WORDS		Stratified	Random	Similar	Congruent
KEY EQUATION	SSS, ASA, SAS, RHS				