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 11 HIGHER — CYCLE 2: PROPORTION & GRAPHS

	Knowledge	Prior knowledge	End of topic	Hegarty Clips
Proportion	**Enlargements** – I can enlarge shapes by a fractional and negative scale factor about a centre of enlargement and describe any Enlargement on an axis			**646-647**
	Direct Proportion – I can write and use equations involving the constant of proportionally (k) to solve problems involving direct proportion			**344**
	Direct Proportion 2 – I can solve problems involving square and cubic proportionality and apply to problem solving questions involving compound measures			**345**
	Inverse Proportion - I can write and use equations involving the constant of proportionally (k) to solve problems involving inverse proportion			**347**
	Proportion Graphs – I can use a recognise graphs showing direct and inverse proportion			
Graphs	**Exponential Functions** – I can recognise and sketch the graphs of exponential functions			**302, 800-803**
	Non-Linear Graphs – I can calculate the gradient of a tangent at a point to estimate (acceleration on a speed / time graph)			**298-301**
	Area Under a Graph (Trapezium Rule) – I can estimate the area under a non-linear graph using the trapezium rule and decide if my estimate is under or over			**891-893**
	Graph Transformations 1 – I can translate the graph of any function, including trigonometric functions			**307-313**
	Graph Transformations 2 – I understand the effect stretching a curve parallel to one of the axis has on its function form			
	Graph Transformations 2 – I understand the effect reflecting a curve in one of the axis has on its function form			

LEARNING TOOLS

MY KEY TOPICS	**KEY TOPIC 1**			
	KEY TOPIC 2			
KEY QUESTIONS		What does the area under a velocity / time graph represent?		
KEYWORDS		**Exponential, Proportional, Velocity**		