

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 9H (DELTA/THETA)	CYCLE 5: GRAPHS & SHAPE
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	Knowledge	Prior knowledge	End of topic
Graphs	Linear Graphs – I can plot straight line graphs with equations $ax + by = c$ and compare two graphs from their equations		
	Equation of a Line – I can sketch graphs using the gradient and intercepts and find the equation of a line, given the graph in the form $y = mx + c$.		
	Gradient – I can find the gradient of a line between two points, with and without a graph		
	Distance Time Graphs – I can draw & interpret distance-time graphs and calculate average speed.		
	Velocity Time Graphs – I can find acceleration and distance from velocity-time graphs		
	Real Life Graphs – I can draw & interpret real life graphs and draw & use a line of best fit		
	Line Segments - I can find the co-ordinates of the midpoint of a line segment and find the gradient and length of a line segment (using Pythagoras)		
	Parallel & Perpendicular Lines – I can find the equations of lines parallel or perpendicular to a given line		
	Quadratic Graphs – I can draw quadratic graphs from a table of values and solve quadratic equations using a graph		
	Cubic / Reciprocal Graphs – I can draw graphs of cubic functions & solve and draw graphs of reciprocal functions using a table of values		
	Graph of a Circle - I can draw the graph of a circle using a table of values with (0,0) as the origin and deduce the general equation of a circle		
Shape	Perimeter & Area - I can find the perimeter & area of compound shapes (including trapezia)		
	Units & Limits of Accuracy – I can convert between metric units of area and volume and calculate the minimum and maximum possible values of a measurement		
	Prisms – I can find the volume and surface area of any prism; including cuboids, trapezoids, triangular prisms and apply to problem solving questions		
	3D Shape Problem Solving – I can form equations using area / volume formulae and use to find unknown lengths in 3D shapes		

LEARNING TOOLS

KEY CONCEPTS	$y = mx + c$	In the equation of a line $y = mx + c$ m represents _____ and c represents _____			
	Lines	Perpendicular lines meets at a _____			
KEY WORDS	Solve	Roots / Solutions	Acceleration	Mid-Point	
KEY EQUATION		Volume of a Prism = Area of Cross Section x Length			