



Longfield Learning Journey



Key Stage 4 Foundation	Unit of work: Graphs 1			
Key Words:	Prerequisites	R	A	G
Intercept, gradient, function, graph, axis, scale, coordinate	Substitute numerical values into expressions			
	Draw a coordinate grid			
	Plot coordinates in all 4 quadrants			

	Content: Graphs 1 – Unit 14	R	A	G
A8	Work with coordinates in all 4 quadrants			
A9	Plot graphs of equations that correspond to straight line graphs in the coordinate plane using a table of values			
A9	Plot graphs of equations that correspond to straight line graphs in the coordinate plane using the gradient and intercept			
A9	Use the form $y=mx + c$ to identify parallel lines			
A10	Find the equation of a line through two given points, or through one point with a given gradient			
A10	Identify and interpret gradients and intercepts of linear functions graphically and algebraically			
R14	Identify the gradient of a straight line as a rate of change			
A14	Plot speed distance time graphs			
A14	Interpret distance time graphs			
A14	Use distance time graphs to find approximate solutions to kinematic problems involving distance time graphs			

K <i>What you know</i>	W <i>What you want to know</i>	L <i>What have you learned</i>