Longfield Learning Journey

Key Stage 4 Foundation	Unit of work: Graphs 1 – Unit 14	Term: 2.2		
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 CORE EXTENTION	**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	**W**	**L**
What you know	*What you want to know*	*What have you learned*