Longfield Learning Journey

Key Stage 4 Foundation	Unit of work: Pythagoras and Trigonometry – Unit 17	Term: 3.2		
Key Words:	**Prerequisites**	**R**	**A**	**G**
hypotenuse, opposite, adjacent, SOHCAHTOA, vector, column vector	Previous work on angles			
	Substitute numerical values into expressions			
	Calculate squares and square roots.			

	Content: Pythagoras and Trigonometry – Unit 19	**R**	**A**	**G**
G6	Know the formulae for: Pythagoras' theorem, a2 + b2 = c2 and apply it to find lengths in right angled triangles.			
G20	Know the formula for the trigonometric ratios.			
G20	Apply the trig ratios to find angles in right angled triangles.			
G20	Apply the trig ratios to find missing sides in right angled triangles.			
G25	Describe translations as 2D vectors.			
G25	Apply addition and subtraction of vectors, and diagrammatic and column representation of vectors.			

K	**W**	**L**
What you know	*What you want to know*	*What have you learned*