Scheme of Learning: Year 11 Higher Autumn Term					
Topic Sequence: Graphs					
	1 Gradients and Lines	2 Non-Linear Graphs	3 Using Gra	aphs	4 Graph Transformations
Top	ic Overview: Non-Linear Graphs				
Students extend their learning of transformations of shapes to sketch and recognise translations and reflections of the graph of a given function, including the trigonometric graphs					
Learning Sequence:					
Translations of Graphs Students explore translations and make generalisations of graphs of the functions $f(x) + a$, $f(x + b)$ where a and b are integers. Translations horizontally and vertically are considered separately. Trigonometric graphs are also used in this step Reflections of Graphs Students transform the graph of reflections of functions $-f(x)$ and $f(-x)$. Students recongnise these transformations of functions and are able to write down the function of a transformation given the original function. Trigonometric graphs are also used in this step.					
			Topic Resources:		
Sequence of Learning:			Knowledge Map:	Graph transfor	matoins
			Assessment:		
1			Knowledge:	End of Topic test	
	Translations of graphs		Application of Knowledge:	Termly summativ	e assessment
			Supportive Reading: Any supported		
	Reflections of graphs		reading listed here		w.sparxmaths.co.uk
2				Corbett Maths : v	vww.corbettmaths.com
				AQA Revision Gui	de