Unit 6.2 - We are computational thinkers | Year 6 Computing | Autumn 1

I should already know	Questions I will be able to answer by the end of the unit:	Key Vocabulary	
In Unit 5.5: We are adventure gamers pupils were introduced to the idea of a graph linking locations in an interactive adventure game		Algorithm:	a sequence of precise instructions or steps
	What is a binary search algorithm?		(sometimes a set of rules) to achieve an objective
	How do you find the shortest or fastest	Binary search:	search algorithm that
By the end of the unit, I will:	route between two places?		identifies repeatedly which half of the list of possible elements the target belongs to
Use Google Maps to find the shortest or fastest route between two places	Which is the most efficient algorithm?		
Find optimum routes on a simplified map	Which Scratch algorithm will help to find the smallest number of coins in change?	Linear search:	search algorithm that looks at each element in turn to see if
Work out the smallest number of coins needed to make an amount of change			it meets the criteria
	What is the difference between binary, linear and random searching?	Decomposition:	breaking a problem down into smaller parts
Record algorithms for random, linear and binary search		Search:	to identify an element of a list that meets specified criteria
Rar	Sort	to put a list into order	

to put a list into order

Sort:



Start Start Pick a random number

ls the

number

No

wrong?

Ta da!

