



Subject	Year		Term		
Computer Science					
Торіс					
Algorithms					
Content - Intent					
Prior Learning (Topic): Network Security, System Software, Programming					
Understand how the main sort and search algorithms are applied and in what circumstances they are useful. Demonstrate the order in which they can reorganise data and why this might					
be useful in a given set of circumstances. How to interpret a given set of algorithms, modify					
and adapt them to a particular purpose.					
Future Learning: Networks, Programming					
What Knowledge and Skills will be How will your understanding be					
Taught (Implementa	· · · · · · · · · · · · · · · · · · ·		assessed and recorded (Impact)		
The mains algorithms to sort a		A test in class based on past questions and			
data, bubble, insertion and me linear and binary searches. W			on those provided by the exam board which are part of the end of unit test package.		
algorithm should be used and under what			Students will be given a grade based on		
circumstances.			published grade boundary data.		
		00	Suggestions on how to		
		improve answers to the next grade boundary will be provided. There will be			
			interim on-line testing throughout the unit.		
The main algorithmic constructions,		<b>U</b>	Algorithm answers, extended questions, to		
functions, sequence, selection and Iteration		be marked with reference to exam board criteria. Feedback based on how to improve			
lieration			responses.		
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Llow con noronto holn of home?					
How can parents help at home? Parents can help by ensuring revision and homework is completed.					
			npiotod.		
Helpful further reading and discussion (Including reading and Vocabulary List)ReadingVocabulary List					
CGP Computer Science	Translation		Merge		
revision book	Interpreter		Sort		
GCSE pod	Compile		Linear		
Smart Revise	Variable Swap		Binary Search		
Computer Science UK Teach ICT	Available				
ISAAC Computing	Bubble				
YouTube – Craig 'n' Dave	Insertion				