KEVICC KS3 Curriculum:		Subject: Computer Science	Key terms and vocabulary.	
Year: 9 T Term: 6 S		Topic: Advanced Programming and SQL	Which words will be explicitly taught & how frequently will	
W rei	hat is the essential knowledge from member and understand?	understanding be checked? How will assimilation of new		
•	Understand that there can be many different algorithms to solve the same problem or task		vocab be checked?	
•	Be able to name and describe differ	Algorithm		
•	Be able to compare these two algorithms		Linear search	
•	Be able to name and describe different sorting algorithms (bubble, merge)		Binary search	
•	Be able to compare these two algorithms		Bubble sort	
•	Understand how data structures en	Merge sort		
-	in an efficient way	Data structure		
•	Understand the difference between	1D lists		
•	Be able to write programs that create and use 2D lists		2D lists Modular	
•	Understand the concept of modular	nrogramming		
•	Be able to describe the benefits of s	Structured		
•	Be able to use parameter passing ar	nrogramming		
•	Understand the difference between	Subroutine		
•	Understand the difference between a flat file and a relational database		Parameter	
•	Be able to describe the benefits of u	Return value		
•	Understand how a relational databa	Local variable		
•	Be able to identify and describe the	Global variable		
•	Be able to use SQL to extract and m	Flat file database		
			Relational database	
W Ur	hat prior learning supports Iderstanding of this content?	How does this content link to future learning?	Table Record	
•	Year 8 lessons on using 1D lists Year 9 unit on program design	• Essential learning for students going on to take GCSE Computer Science course	Field Primary key Foreign key Structured Query	
Re suj	eading: Where in the unit are students oported to read complex academic text	Writing: Independent writing tasks and how they are structured	Language (SQL)	
•	Students will be directed to read age-appropriate content from BBC Bitesize pages and other relevant online sources	 Short written answers to worksheet questions Extended written descriptions using key words as prompts 	Used in context during lessons and understanding checked in end of unit assessment	
Ke Hc Hc	ey assessments: w will students review the information lea w will feedback be seen?			
 Students will get short personalised feedback (mainly verbal) on individual tasks 				
 End of unit assessment in penultimate lesson, with final lesson used to give feedback and enable corrections/improvements 				