KEVICC KS3 Curriculum:	Subject: Computer Science	Key terms and vocabulary.
Year: 9 Term: 2 What is the essential knowledge from this unit? What do students need to		Which words will be explicitly taught & how frequently will
remember and understand?		checked? How will assimilation of new vocab be checked?
 Understand difference between and need for hardware and software 		
 Understand the difference between input, output and storage devices 		Hardware
 Be able to name and categorise hardware devices 		Software
 Understand the difference between system and application software 		Device
 Be able to name and categorise software programs 		Input
 Understand the role and functions of the operating system 		Output
 Understand role of the CPU and main memory running software programs 		Storage
 Be able to describe each stage of the fetch-execute cycle and which 		System software
components are used		Application software
 Be able to describe how CPU features affect a computer's performance 		Operating system
 Understand the difference between ROM and RAM 		Utility
Understand the role of virtual memory		Central Processing
• Be able to describe how the amount of RAM affects a computer's performance		Unit
Be able to recognise and compare storage capacity units		Main memory
 Be able to compare the features of HDD and SSD 		Fetch-Execute
 Be able to name and categorise different storage devices 		Cores
 Understand how each storage method works (magnetic, optical, solid state) 		Clock speed
 Be able to recognise and draw logic gate symbols for AND, OR and NOT 		Cache memory
 Be able to complete truth tables for these logic gates 		Virtual memory
 Be able to complete truth tables for simple logic circuit diagrams 		Random Access
 Be able to draw logic circuit diagrams for simple systems 		Nemory Read Only Memory
		Kilobyto
What prior learning supports	How does this content link to future	Megabyte
understanding of this content?	learning?	Gigabyte
• Year 8 units on How Computers	• Essential learning for students going	Terabyte
Work and Data Storage	on to take GCSE Computer Science	Hard Disk Drive
	course	Magnetic
Reading: Where in the unit are students supported to read complex academic text	Writing: Independent writing tasks and how they are structured	Optical Solid State Logic Gate
• Students will be directed to read	• Short written answers to worksheet	Truth Table
age-appropriate content from BBC	questions	Logic Circuit
Bitesize pages and other relevant	• Extended written descriptions using	
online sources	key words as prompts	Used in context
		during lessons and
Key assessments:		understanding
How will students review the intormation learned? How will feedback be seen?		checked in end of
		unit assessment
 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		