Northolt High School
Scheme of Learning Overview

Committed to excellence

Year group: **12**	Term: **1**	Unit duration: **6**	Number of lessons: **15**	Unit title: **Systems Software**

Assessment outcome: To understand the software that runs a computer and how it controls the hardware	Fertile question? How are computer system resources allocated to applications?	

Key skills/concepts/knowledge that students should cover	Start RAG	End RAG	Literacy. Key vocabulary/subject terminology that students should cover
What does the operating system do to allocate system resources to software? Memory management, CPU scheduling Types of operating systems Integrated systems System security - anti-virus, firewalls System utilities - hard drive defragmentation, compression software BIOS			Scheduling Partitioning Defragmentation Interrupts Paging Virtual Memory Virtual Machines
Stretch. Key skills/concepts/knowledge that students should cover. What are the ways in which the operating system Windows allows the user to override some of its fundamental functions such as memory management and CPU scheduling? Consider controls in the Task Manager.			Suggested materials teachers could/should use TeachICT Isaac Computer Science Computer Science powerpoints/resources Key home learning tasks students should complete are to be set in lessons

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