Northolt High School
Scheme of Learning

Committed to excellence

Year group: 9	Term: 1	Unit duration: 6 weeks	Number of lessons: 6	Unit title: **Systems Architecture**

Assessment outcome: Explain the fetch/decode/execute cycle effectively.	Fertile question? What is the purpose of a processor, and what would upgrading it do?

Key skills/concepts/knowledge that students should cover	Start RAG	End RAG	Literacy. Key vocabulary/subject terminology that students should cover
What is the purpose of a processor How do we measure the effectiveness of a processor Explain how the RAM interacts with the processor Explain what instructions are and the cycle they go through to reach execution How would we be able to choose the correct processor for a specific situation			Gigahertz Processor RAM Fetch Decode Execute Clock speed Cores Processing speed

Stretch. Key skills/concepts/knowledge that students should cover		Suggested materials teachers could/should use
Compare two processors with different clock speeds and numbers of cores and explain why one would process more instructions than the other.		TeachICT Computer Science Powerpoints/Worksheets
		Key home learning tasks students should complete to be set in lessons