Northolt High School
Scheme of Learning

Committed to excellence

Year group: 9	Term: 1	Unit duration: 6 weeks	Number of lessons: 6	Unit title: **Storage Types**

Assessment outcome: To be able to explain the differences between computer storage types and their uses.	Fertile question? How do computers store data?	

Key skills/concepts/knowledge that students should cover	Start RAG	End RAG	Literacy. Key vocabulary/subject terminology that students should cover
How computers store data - Binary and storage units - Megabytes and Gigabytes Different storage types - hard drives, solid state and optical disks Performance vs capacity - the different reasons for using different storage types Reliability and durability - the disadvantages of storage types Cloud Storage - storing things on the internet and how this can help			Kilobytes - KB Megabytes - MB Gigabytes - GB Terabytes - TB Petabytes - PB Optical Magnetic Solid State Flash Storage Transfer Speed
Stretch. Key skills/concepts/knowledge that students should cover Mass storage uses such as Data-centers for cloud storage are taking a long time to move from older Magnetic storage types to newer Solid State storage. Why is this?			Suggested materials teachers could/should use TeachICT Computer Science Powerpoints/Worksheets Key home learning tasks students should complete to be set in lessons