Northolt High School
**Scheme of Learning**

Committed to excellence

| Year group: 8 | Term: 1 | Unit duration: 6 weeks | Number of lessons: 6 | Unit title: Hardware – **How to Make a Computer** |
|---|---|---|---|---|
| **Assessment outcome: Students will understand how to construct a computer and all the parts involved.** | | | **Fertile question?**<br>**What parts are inside a computer and what do they do?** | |

| **Key skills/concepts/knowledge that students should cover** | **Start RAG** | **End RAG** | **Literacy. Key vocabulary/subject terminology that students should cover** |
|---|---|---|---|
| **What is an input system**<br>**What is an output system**<br>**What is the purpose of a processor**<br>**How a motherboard controls hardware**<br>**The difference between hardware and software**<br>**What is the purpose of a power supply**<br>**How would we upgrade a computer's performance by replacing hardware** | | | **Input**<br>**Output**<br>**Hardware**<br>**Software**<br>**Processor**<br>**Motherboard**<br>**Power Supply** |
| **Stretch. Key skills/concepts/knowledge that students should cover**<br><br>**How would you improve the performance of a computer with hardware alone? Compare different hardware specs in order to make a justified argument for which would be more efficient.** | | | **Suggested materials teachers could/should use**<br><br>**TeachICT**<br>**Computer Science Powerpoints/Worksheets** |
| | | | **Key home learning tasks students should complete to be set in lessons** |

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*Seizing opportunity* *Instilling ambition* *Realising potential*