Learning Objective:
🖰 I am learning about the different types of memory in a computer system
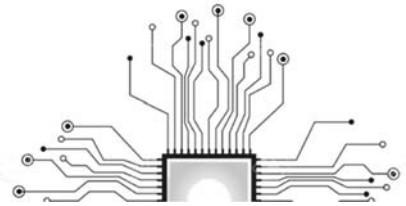
Memory – Workbook

RAM and ROM

	RAM	ROM
What does it stand for?		
What does it store?		
Volatile or Non Volatile (What happens when the power is turned off?)		
Can you read from and write data to it?		

DATA	RAM	ROM
An MP3 currently playing in the web browser		
A word processed document currently minimised		
The instructions needed to pass control to the Operating System		
An email being prepared to be printed		
Instructions on how to boot up the computer		

	Outcome	Success Criteria
I'm Getting It	Describe the difference between RAM and ROM	❑ I can state what they stand for ❑ I know that RAM is volatile and ROM is non Volatile
Got it	Describe the use of Flash memory and RAM and ROM	❑ I can describe what flash memory is ❑ I can describe what they store (RAM = current instructions and data being used, ROM = Boot up instructions)
Google Hire Me!	I can explain the use of Virtual memory	❑ I can describe what virtual memory is ❑ I can explain the need and use of virtual memory

Flash Memory	Virtual Memory
	What it is: Why it is used: Why to try and avoid:

1. **Exam Style Question [4 marks]** *{make sure to discuss virtual memory. Think about what RAM does and why having more is better}*

Explain why the performance of a computer can improve if you increase the size of the RAM from 4GB to 8GB?

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Key Words

Key Term	Definition
RAM	Random Access Memory. Volatile (data is lost when power lost). Store the current data and programs being used.
ROM	Read Only Memory. Non-Volatile (data is not lost when computer is turned off).
Virtual Memory	Section of the hard drive is to act as RAM used when RAM is not sufficient. Slower than RAM.
Flash Memory	Non-volatile memory that can be changed and does not need a power supply to keep its contents. E.g. memory cards.