Foxford Plan

YEAR 8

Computer System

Key Vocabulary

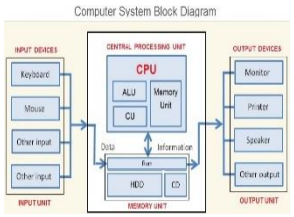
RAM	**It stands for random access memory. It temporarily stores the data in the RAM until it is needed.**
ROM	**It stands for read only memory. It is non-volatile memory that permanently stores instructions for your computer.**
CPU	**The Central Processing Unit (CPU), it is sometimes called the brain of the computer, and its job is to carry out commands.**
Hardware	**It is any part of your computer that has a physical structure, such as the computer monitor or keyboard.**
Software	**It is any set of instructions that tells the hardware what to do.**
ALU	**The part of the CPU responsible for carrying out calculations is the Arithmetic Logic Unit, or ALU.**
Fetch	**The first stage is 'Fetch' which loads an instruction or data from memory into the CPU.**
Decode	**The second stage is 'Decode'. The instruction is decoded by the Control Unit so the CPU can handle the last stage.**
Execute	**The third stage is 'Execute' which means carry out the instruction.**
Memory	**Memory is where data is stored within the computer.**
Types of Computers	**Computers come in many shapes and sizes, and they perform many different functions.**
Input	**It is captures the data from user, or it is the process of accepting data.**
Process	**It is the process to convert the input into output.**
Output	**It is the display or output of result from processing.**

Key Skills

Over the course of the topic, I will be able to: -

1. Define what computer is
2. Explain types of computer
3. Differentiate hardware and software
4. Describe Fetch, Decode and Execute
5. Make a link between RAM and ROM
6. Explain ALU function
7. Give examples of input devices
8. Know the difference between input, process and output
9. Differentiate hardware and software





I will Understand

1. What is a computer is
2. Types of computer and their uses
3. How process of Fetch, Decode and Execute
4. The difference between RAM and ROM
5. The relationship between CPU and ALU
6. What input, process and output is
7. The roles of hardware and software