Computing

Lesson 2: Introduction to the CPU

Computer systems

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Materials from the Teach Computing Curriculum created by the National Centre for Computing Education



Von Neumann architecture - fill in the blanks

(each word ischinguise ecoince) he ____ of a computer system. In the Von Neumann model both ____ and ___ are stored in memory as Instructions are _____ from memory one by one, the processor will _ the instruction before executing it. fetched design data instructions decode binary



The CPU team - Part 1

Clock The ALU Bus Clock Bus ALU Buses Control Bus Unit **Control Unit** Registers Registers Bus



The CPU team - Part 2

Component	Stores	Manages	Controls
Control Unit			
Arithmetic Logic Unit			
Registers			
Buses			
Clock			



Remembering the components

For each of the components of the CPU, choose a memorable image to represent it and sketch it in your notes. Justify why the image is suitable next to it. You can use these for inspiration, but it is better if you make them up for yourself.



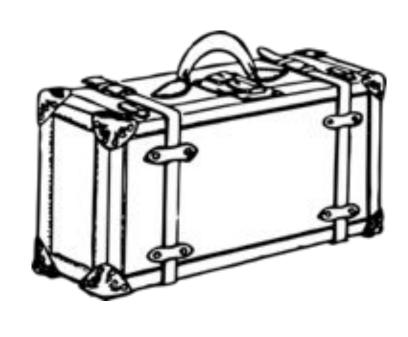
Credit: Pixabay



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