Year 4 Autumn 1 Knowledge Organiser – Computing

Unit 8: Hardware Investigators

Unit: 4.8
Hardware Investigators

Key Learning

- To understand the different parts that make up a computer.
- To recall the different parts that make up a computer.

Key Resources

purple mash

2Connect

2Quiz

Key Questions

What is the difference between hardware and software?

Hardware refers to the physical parts of a computer or device. The parts inside the computer casing are often called the components. The parts that are attached to the computer case are called peripherals. Software describes the programs that run on the computer.

Key Vocabulary

Components
Parts inside the computer casing.

CPU
The 'brains' of the computer, where all the calculations take place.

Graphics Card
Also known as a video card and used for displaying images.

Hard Drive
Where the computer stores all your documents, pictures, games and videos.

Input
How information enters the computer.

Motherboard
Main printed circuit board of the computer.

Network Card
Used to connect the computer to a network such as the Internet.

Output
Where information leaves the system.

Peripherals
Parts that are attached to the computer case.

RAM
Allows programs to store information to help the computer run quickly.

Software
The programs that run on the computer.

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Key Images

Motherboard

CPU

RAM

Graphics card

Network card

Monitor

Speakers

Keyboard

Mouse

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