Knowledge Organiser - Connecting Computers (Year 3)

Connecting Computers: overview

Information Technology (IT) includes computers and items that work with computers (digital devices). They have an input, processes and an output. Information can be shared across networks. Each network contains many digital
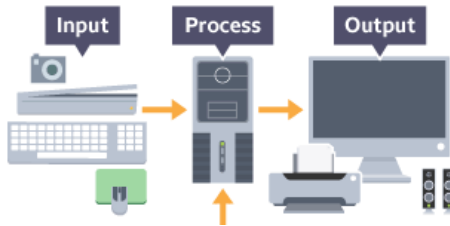
Inputs, Processes and Outputs

Input: Something that sends a message to the device.
Input devices: Keyboard, mouse, joystick, microphone, digital camera, game controller.

Process: The computer will follow the program that the input has told it to do.

Output: Something that is sent out from the device.
Output devices: Screen/ monitor, printer, headphones, speaker, smartboard

Network and Network Devices

Connections and Networks: A connection is the link between a computer and another device. A computer might be connected to the internet through wires or WiFi.

A **Computer Network** is a set of connections that joins computers together. The computers can then send and receive information with each other.

Network Devices: A NETWORK SWITCH helps different devices on a network connect with each other.
SERVER: It is a computer that manages the network and stores all the files.
WIRELESS ACCESS POINT (WAP): A device that is connected to a wired network can send and receive wireless signals between devices in the network.

Why do we need Networks?

A computer network allows us to send and receive information between computers that are in different places. They can communicate quickly and easily.
Networks allow computers in the same network to share devices like printers.
The internet is a world wide network of computers that shares information.

Watch the video (click here) to find out more about networks.