

The Flourish Federation—Knowledge Organiser

Brookfield Infant and Junior Schools



Computing Focus:	Information Technology — Hardware & Processing	Year 2	Term 6
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What? (Key Knowledge)
I recognise that a range of devices can be considered a computer
I recognise and use a range of input and output devices
I understand how programs specify the function of a general purpose computer
I begin to understand how computers collect data from various input devices i.e sensors

Useful Web Links
https://www.purplemash.com/sch/brookfield-infant Children all have home access. Log in details are in the front of Reading Record books.


Cross-Curricular Links
Geography- local environment Science—habitats

What? (Activities)	
I recognise that a range of devices can be considered a computer	Children sort out pictures of things are the local environment that use technology and things that don't. They can give an explanation of what technology means.
I recognise and use a range of input and output devices	Label computer items input and output. Write a short explanation of how they work. Eg speakers are an output device because sound comes out from the computer through them
I understand how programs specify the function of a general purpose computer	Children can use appropriate software in other areas of the curriculum where possible. Class thought shower. Identify programs such as word , publisher and describe what you would use each for.
I begin to understand how computers collect data from various Input devices i.e sensors	Look at bbc bitesize parts of a computer https://www.bbc.co.uk/bitesize/topics/zbhqjxs/articles/z9myvcw Discuss how each part works and sends messages to the computer. Children use the mouse and keyboard to create a leaflet about Our local environment.

What? (Key Vocabulary)	
Spelling	Definition
hardware	Computer hardware is the collection of physical parts of a computer system. Computer hardware is what you can physically touch, includes the computer case, monitor, keyboard, and mouse.
software	Computer software, is a set of instructions and that tells a computer what to do or how to perform a task. Software includes all different software programs on a computer, such as applications and the operating system.
Processor/processing	A central processing unit (CPU) is an important part of almost every computer. The CPU sends signals to control the other parts of the computer, almost like how a brain controls a body. The CPU is an electronic machine that works on a list of things to do, called instructions.

What? (Key Vocabulary)	
Spelling	Definition
Input	In computing, an input device is computer hardware which is used to enter data for processing. Examples of input devices include keyboard, mouse, image scanner, digital cameras and joysticks.
Output	An output device is any hardware device used to send data from a computer to another device or user. ... Typical examples of output devices are monitors and projectors (video), headphones and speakers (audio), or printers .
Program/programming	The process of telling a computer to do certain things by giving it instructions. These instructions are called programs
Technology	Science and engineering knowledge put into practical use to solve problems or invent useful tools.

Visuals

Key Questions

What is technology?

Technology is the use of knowledge to invent new devices or tools. Throughout history, technology has made people's lives easier.

How does technology make our lives easier?

Technology has made life easier in many areas. It is now much easier to communicate around the world. Messages that used to take weeks to reach the sender can now be sent and received in seconds. We are surrounded by technology from your toys, to machines in your house to systems that control traffic and planes.

