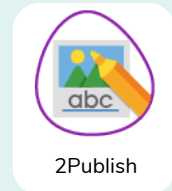# Year 4
Unpacking Hardware and Software

Key Learning

- To understand what technology is, where we see it in everyday life, and how it helps us at school, home and beyond.
- To identify and describe different pieces of computer hardware and understand their functions.
- To understand what software is and how we use it to complete tasks.
- To explore how hardware and software interact to complete everyday tasks.

Key Resources

2Quiz

2Publish

Key Vocabulary

Application (App)
A type of software used for a specific task.

Component
Internal parts of a computer.

Computer System
All the parts of a computer working together.

Hardware
The physical parts of a computer that you can see and touch and the parts inside.

Input
Sending information into the computer.

Output
The computer sending information back to us.

Peripheral
A piece of hardware that you plug into or connect to a computer to help it work.

Process
A set of steps that happen in order to complete a task.

Program
A set of instructions that a computer follows.

Software
Programs that tell a computer what to do to complete a task.

Storage
Where the computer saves information so you can use it again later.

Technology
Using scientific knowledge to design or make tools, systems, or machines that help solve problems or make tasks easier.

purple mash
2simple

Year 4
Unpacking Hardware and Software

Key Images

Hard drive	CPU	Motherboard	RAM	Power Supply	Fan
Graphics Card	Network Card	USB Stick	Speakers	Webcam	Printer

Key Questions

What is technology?

Technology is something made by humans that uses science to help solve problems or make tasks easier. It can be as simple as a hammer or as advanced as a computer.

What is the difference between hardware and software?

Hardware is the part of a computer you can see and touch, like the keyboard, mouse, or screen. Software is the program that runs on the computer and tells it what to do, like a drawing app or a music player.

What is a computer system?

A computer system is all the different parts of a computer that work together to do a job. It includes hardware (like the keyboard, screen, and mouse) and software (like apps and programs). When these parts work as a team, the system can follow instructions, show pictures, play music, or help you type.

How do hardware and software work together?

Hardware and software work as a team to help a computer do a job. The hardware lets you give the computer instructions or see and hear what it does. The software gives the computer the instructions to follow. For example, when you tap play in a music app, the software plays the song and the hardware (speakers) lets you hear it.