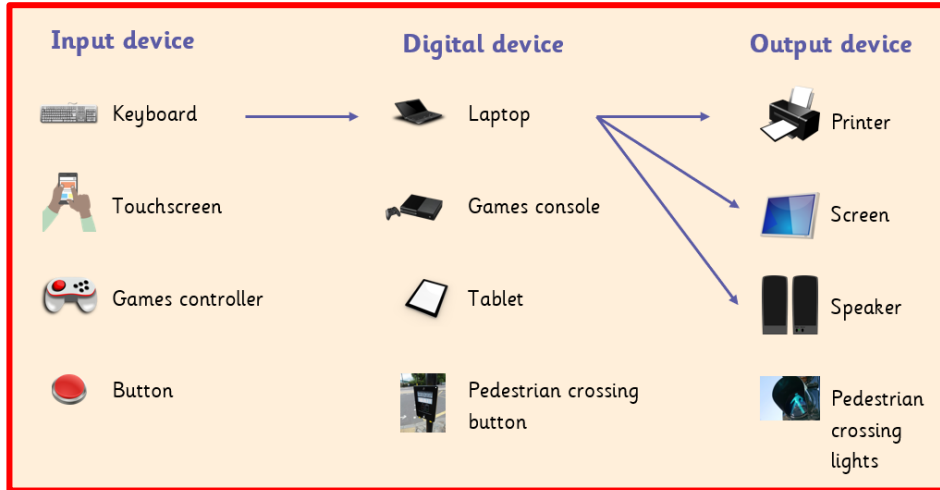




How are Computer Connected?

Many digital devices are now connected to other digital devices, e.g. computers through wires, tablets through WiFi, and smartphones through mobile phone networks.

Connecting digital devices allows information to be shared between users and systems. This makes communication so much quicker.



How do devices work?

Input	Process	Output
<p>You press a button on the keyboard, or click a mouse.</p>	<p>The computer follows a program that tells it what to do when you press a button.</p>	<p>You see the letter on the screen that matches the button that you pressed.</p>
	<p>This camera is a digital device. It has input buttons and can display the photo it has taken. It can also connect to other devices with a wire or wirelessly!</p>	

Key Vocabulary

Digital device	A digital device is a device that accepts inputs, processes them and then produces outputs.
Network	Two or more computers or devices that are linked together in order to share resources
Input	A button or switch that is pressed in order to be processed
Process	Once a button is pressed, a program begins to create information
Output	The outcome of a program. Now the program is complete, the system shows created data.
Network switch	A network switch directs information between computers, passing data from one to another
Wireless device	Equipment that does not need a physical wire for relaying information to another device
Server	Computer hardware (equipment) or software (program) that provide a service to another computer

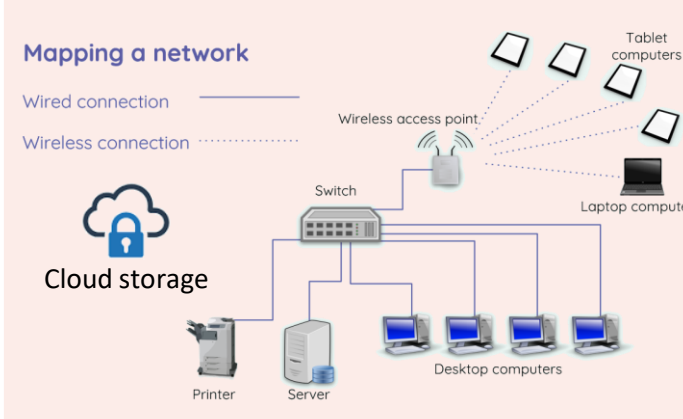


How do devices help us? What is their purpose or function?

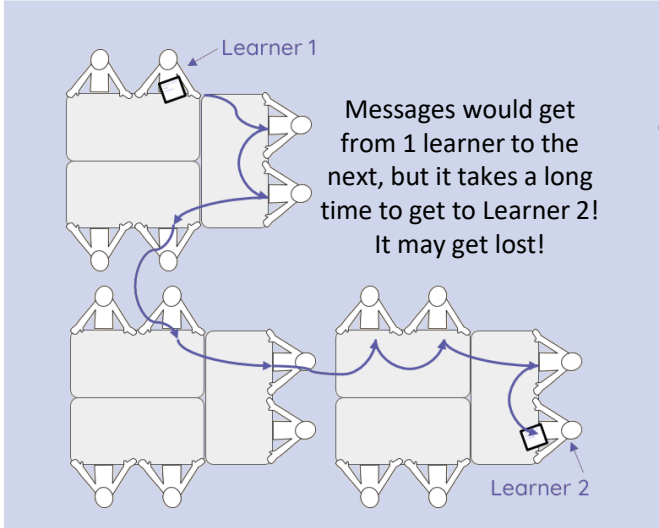
	Digital camera	Laptop computer	Games console	Smartphone
Take pictures	✔	✔	✔	✔
Write a story		✔		✔
Play a game		✔	✔	✔
Make a phone call		✔		✔
Send a message		✔	✔	✔

Our School Network

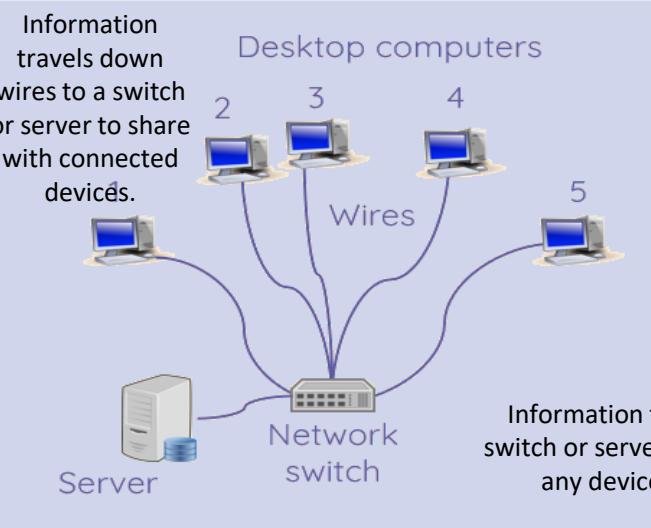
Wired Devices	Wireless Devices
Laptop	iPads Laptops
Printer Copier Server	Phones smartboards
Wireless Access Point	Projectors Cloud



A human network!



Wired Computer Network



Adding Wireless Devices

