

Steps through Learning Computing: Connecting Computers

My steps through learning:

What I will know and understand

How I will show that I know it

Lesson 5

To know how digital devices can be connected.

I can explain how computer networks are made up of a switch, server and can have a wireless access point.



Lesson 6 - Assessment

To know what network devices we have in school and how they are connected.

I can create a map of the school network.



Lesson 4

To know how a computer network is used to share information.

I can explain how a switch is used to send messages through multiple connections.



Lesson 3

To know there are input and output devices.

I can design a digital device with an input and output.



Lesson 2

To recognise how digital devices can change the way that we work.

- I can explain how I use digital devices for different activities.
- I can recognise similarities between using digital devices and using non digital devices.
- I can suggest ways in which digital devices have changed the way we live.



Lesson 1

To explain how digital devices function

- I can explain that digital devices accept inputs
- I can explain that digital devices produce outputs
- I can follow a process
- I can explain what makes a secure password



What should I already know

- How to use technology safely and respectfully.
- Recognise common uses of information technology beyond school.

National Curriculum:

- Use, sequence, selection and repetition in programs; work with variables and various forms of input and output.
- Understand computer networks including the internet; how they can provide multiple services, such as the World Wide Web; and the opportunities they offer for communication and collaboration.
- Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
- Use technology safely, respectfully and responsibly; recognise acceptable / unacceptable behaviour; identify a range of ways to report concerns about content and contact.