



Year 3 Computing Knowledge Organiser Autumn 1

Computing systems and networks – Connecting computers



1. E-safety

- We can use text, images, or both text and image to communicate messages.
- An image is picture/photograph.



2. How does a digital device work?

- Digital device must have an input, process and output.
- Digital device accepts **inputs** and they produce **outputs**.
- Camera, computer and iPad are all digital devices.



3. What parts make up a digital device?

- Device can have 1 input that leads to several outputs.
- Input devices: keyboard, mouse, microphone.
- Output devices: speakers, monitor, printer.



4. How do digital devices help us?

- Digital devices are all forms of information technology.
- Can paint a picture using digital devices.
- Using a digital device we can use the undo button.



5. How am I connected?

- A computer network collects information (data).
- A computer network is simply two more computers joined together to share information.



6. How are computers connected?

- A server is a computer that stores files.
- A server is connected to a computer network.

Key Vocabulary

Digital device	A computer or a device with a computer inside that has been programmed for a specific task
Input	Data that is sent to a program to be processed
Output	The result of data processed by a computer
Program	A set of ordered commands that can be run by a computer to complete a task
Computer network	A group of interconnected computing devices
Server	A networked computer that manages, stores , and provides data such as files to other computers
Process	A program , or part of a program , that is running on a computer

