

1.1 Computing systems and networks – Technology around us – Knowledge Organiser

Year 7 Topic number Hyperlink to planning

Key prior learning is highlighted in green, but must be revisited and reinforced during this teaching sequence.

Overview

Technology Around Us



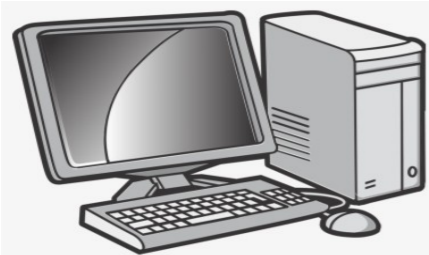
-Technology is something that has been made by people to help us.

-Technology is 'man-made' and not 'natural.' Technology is things like computers, traffic lights, laptops, and iPads.

-Computers are a type of digital technology.

-Some of the different parts of a computer are the: monitor, mouse and keyboard.

-There are some rules to help us use computers safely.



Computers



-Desktop computers need to be put on a table or desk. Laptop computers are portable – they can be moved to different places.

-The screen (or monitor) displays what the computer is doing.

-The mouse lets you select and move objects things.

-The keyboard lets you type letters and numbers.

-Computers can run different programs. Programs do different tasks on the computer. E.g. Microsoft Word, Microsoft PowerPoint and Paint.

-When we are using a program, we can save our work by clicking on  n:

Technology

-Technology is the name for man-made devices that help us.

-Technology is all around us and helps to make our lives easier.

-Digital technology is the name for electronic items that create and store information, e.g. computers, mobile phones, and televisions.



-Non-digital technology is the name for non-electronic items do not create and store information.



Using Technology Safely

When using technology, we should:

-Hold the device carefully and use it gently.

-Not have food and drink around the device.

-Only use the programs that we are supposed to be using.

-Take turns and stop using the device when we are being spoken to.



Using a Mouse



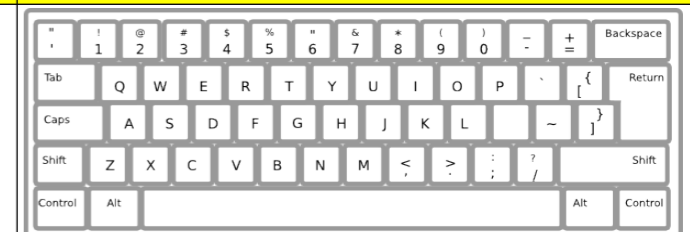
-The mouse can be used to click and drag.

-Clicking the left button lets us select something. Clicking twice quickly lets us open files and programs.



-Holding the left button down allows us to drag things.

Using a Keyboard



-Writing on a computer is called typing. We do this on a keyboard.

-Holding the shift key, or pressing caps lock, helps us to type a capital letter.

-Delete and backspace buttons can help us to remove typing.

Important Vocabulary

Technology

Computer

Screen

Space bar

Mouse

Keyboard

Safely

Click

Drag

Responsibly