

COMPUTING SYSTEMS AND NETWORKS: Technology Around Us

KNOWLEDGE ORGANISER



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 <u>digital technology</u>.
 - -Some of the different parts of a computer are the:

monitor, mouse and keyboard.

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



Technology

- -Technology is the name for man-made things that help us.
- -Technology is all around us and helps to make our lives easier.
- -<u>Digital technology</u> 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.



Computers



- -<u>Desktop computers</u> need to be put on a table or desk. <u>Laptop computers</u> are portable – they can be moved to different places.
- -<u>The screen</u> (or monitor) displays what the computer is doing.
- -<u>The mouse</u> lets you select and move objects (some computers have a trackpad instead).
- -<u>The keyboard</u> lets you type letters and numbers.
- -Computers can run different <u>programs</u>. 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 this icon.

Using a Mouse

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-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 <u>drag</u> things.

Using a Keyboard



- -Writing on a computer is called <u>typing</u>. We do this on a keyboard.
- -Holding the <u>shift key</u>, or pressing <u>caps lock</u>, helps us to type a capital letter.
- -<u>Delete and backspace</u> buttons can help us to remove typing.

Important Vocabulary

Technology Computer Screen Space bar Mouse Keyboard Safely Click Drag Responsibly