

Year 2 Computing – Technology Around Us

Technology Around Us

What I should already know

- To identify what technology is and how it helps us.
- To identify a computer and its main parts.
- To use a mouse in different ways.
- To use a keyboard to type.
- To use a keyboard to edit text.
- To create rules for using technology responsibly.

- Technology is something that has been made by people to help us.
- Technology is 'man-made' and not 'natural.'
- Information technology (IT) includes computers and things that work with computers.
- IT is in lots of important items in our homes and around the world.
- We need to understand how to use IT safely in our homes, at school and in other settings.

Information Technology

- Technology is the name for man-made things that help us.
- Information technology is made up of computers and things that work with computers.

-Information technology includes **computers**, for example desktop computers, laptops, games consoles, smart phones and tablet.



-Information technology also includes devices that work with computers, e.g. USB sticks, SMART boards and digital cameras.



Using Technology Safely

- We can create and follow a **number** of rules to use technology safely, e.g.:
- Make sure that the games and apps that we access are age-appropriate.
 - Always sit down when using devices. They can be broken if dropped!
 - Do not use devices at social times, e.g. at the table. It is bad manners.
 - Stick to using technology at agreed times. Too much screen time is not good for us!
 - If you see something upsetting online, make sure you tell a trusted grown up.



I.T. in the Home

There is lots of information technology in our homes. I.T. is used to:

- Control the tools and appliances that we use in the home, e.g. the panel for the heating, setting the washing machine, and programming the microwave.
- Help us to communicate with one another, e.g. the internet router and the telephone.
- Entertain us, e.g. the information technology in toys, consoles and computer games.



I.T. in the World

There is also lots of information technology in the wider world

- I.T. can be found in shops, e.g. the barcode, barcode scanner and till all work together to scan your shopping items.
- I.T. can be found in ATMs, e.g. the bank card, chip and PIN card reader help you to access your bank account.
- I.T. can be found outside, e.g. traffic lights, buttons, and signals work together to tell you when to cross the road.



What I will learn by the end of this unit

- Recognise the uses and features of IT.
- Identify and explain the purpose of IT in the home.
- Identify and compare different types of IT beyond school.
- Explain how IT benefits people.
- Recognise how to use IT safely and responsibly.
- Identify the choices that can be made when using IT.

Disciplinary Skills

- Use technology purposefully to create, organise, store, manipulate and retrieve digital content.

How I.T. Improves Our World

-Information Technology helps us in lots of different ways in our daily lives.

-I.T. can help to make things quicker and easier. E.g. at the supermarket, the barcodes/ scanners quickly add up the product numbers and costs of the things that we want to buy.

-I.T. can also help us to stay safe. E.g. The traffic lights, buttons and signals help us to avoid traffic when crossing the road.

-I.T. also helps us to communicate with one another and have fun! E.g. it can connect us to the internet, and can allow us to play games, share and receive information.



Key Vocabulary

information
compare
scan

technology
connect
responsibility

computer
barcode
choice