

Year 2 Computing Knowledge Organiser

Autumn 1



Theme: Information Technology Around Us

Key Knowledge and Skills

By the end of this unit children will..

develop their understanding of what information technology (IT) is and will begin to identify examples. They will discuss where they have seen IT in school and beyond, in settings such as shops, hospitals, and libraries. Children will then investigate how IT improves our world, and they will learn about the importance of using IT responsibly.

Information Technology

In Year 1 we learnt that technology is the name for man-made things that can help us.

Information technology is made up of computers and anything that works with a computer (e.g. phone, Ipad, games console, laptop).

IT in the Home

There are lots of examples of IT in our homes. They can be used to:

- Control the tools and appliances we use in the home (e.g. the panel for the heating, setting the washing machine).
- Help us communicate with others (e.g. the internet, phones)
- Entertain us (e.g. computer games, games consoles)



IT in the World

There are lots of examples of IT in the wider world.



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

Using IT Responsibly

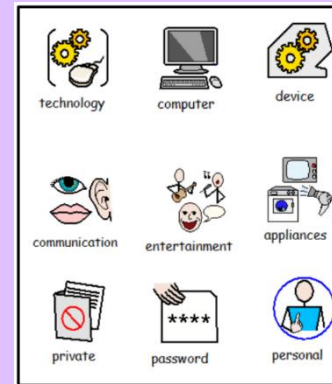
IT is all around us and can help us in lots of different ways in our daily lives. It is important to remember though that we don't want to spend too much time using certain types of IT – too much screen time is not good for us! We can use the Digital 5 A Day to help us have a balanced digital diet and better wellbeing.

Children's
COMMISSIONER



Digital 5 A Day
Simple steps to a balanced digital diet and better wellbeing

Key Vocabulary



technology – man made things that can help us

computer – an electronic device that can input, output, store and process information.

device – an object that has been designed for a particular purpose.

communication – we can use IT to communicate with others

entertainment – we can use IT to entertain ourselves and others.

appliances – electronic / mechanical machines that help us to do something.

private – we should keep personal information private.

password – a series of letter, numbers and symbols that we can use to keep our information private.

personal – something that belongs to a particular person

Online Safety

Keeping personal information private

Personal information should be kept private, especially when we are using the internet. We can use nicknames instead of our full names when playing games online and should never give personal information to anyone that we don't know.

Passwords are useful to help keep our personal information and devices safe. They are like a key to a door! We need to make sure we create strong passwords and don't share with anyone else.



