

Learning journey

Using a Mobile
IT Device

Wjec ICT





Learning Objectives

- LO1 Set up the mobile device to meet needs.
- LO2 Use applications and files on the mobile device.
- LO3 Transfer data to and from the mobile device.
- LO4 Maintain the performance of the mobile device.

A.C. 1.5

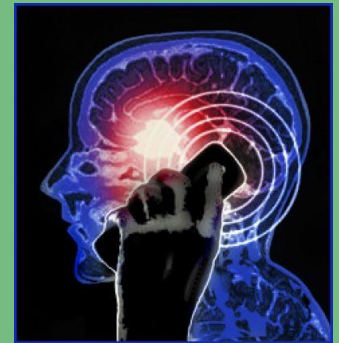
Identify any specific health and safety issues associated with the use of mobile phones.

- **RSI – Repetitive Strain injury.**

Over doing things such as texting or scrolling can cause tingling, stiffness and pain in fingers, wrists and forearms.

- **Radiation**

Mobile phones send out radiation through radio waves. Excessive use can cause burns, sickness or cancer.



A.C. 1.6


Follow Guidelines for the safe use of mobile devices.



Corley Centre mobile phone guidelines.

- Phones should not be carried during learning hours.
- Hand your phone into the office when you arrive at school and collect it at home time.
- Any phones found being used in lesson or school hours will result in that person being given an afterschool detention.





Identify different types of secure connection methods that can be used between devices.

Bluetooth

Bluetooth is a wireless technology that exchanges data over short distances using short-wavelength.

- You can secure it by adding a passcode which you would share with the person you are exchanging data with.

A.C. 3.1

Identify different types of secure connection methods that can be used between devices.

Cables

You can connect your mobile device with a computer using a USB cable.

You can secure using a passcode on your mobile device and only unlocking it when prompted.

A.C. 3.3

Recognise copyright and other constraints on the use and transfer of information



Copyright Law

Copyright is legal right that protects the use of your work once your idea has been physically expressed.



Illegal Downloading

This is taking files you don't have the right to use. Music and films are copyrighted. To have the right to play it you must purchase it. It does though mean only you can play it, you cannot share it with someone else for them to play on their device.

A.C. 3.3

Recognise copyright and other constraints on the use and transfer of information

Acknowledgment of sources

When quoting the words of others or referring to ideas you must indicate the source.

Avoiding plagiarism

To avoid plagiarism you must put writing into your own words, editing an image, or acknowledge a source.

A.C. 3.

Identify different types of secure connection methods that can be used between devices.

Wi-Fi Pairing

You can connect two devices to the same Wi-Fi network to share data.

To secure the connection you should add a password to your Wi-Fi network.



A.C. 3.4

Identify why it is important to stay safe, keep information secure and to respect others when using a mobile device.

Controlling access to your device.

Passwords, passcodes, fingerprint and facial recognition.

It is important not to allow easy access to your mobile device as if it is lost or stolen, someone can see personal data and gain access to apps like banking apps.

A.C 3.5

Keep information secure when using a mobile device.

Someone with access to your data can;

- steal your identity through access to personal information,
- access your banking information through apps and steal money.

A.C 3.5

Keep information secure when using a mobile device.



You should respect others using a mobile device by;

- Using appropriate language,
- Not misuse images,
- Protect your phone using pin codes and therefore protecting others information.

A.C. 4.1 Identify factors that can affect performance of the mobile device.

A.C. 4.2 Use appropriate techniques to maintain performance of the mobile device.



Factors affecting performance

Battery Life – Regularly charge battery to ensure the use of your mobile device.

App and file use – Ensure that you close unused apps so that they are not running in the background.

Network availability – Where you are unable to connect to 3G/4G connect to Wi-Fi hotspots.



A.C. 4.3 Identify common problems that occur with mobile devices and what causes them.

Problems with mobile devices

No service – In rural areas you may not be able to get signal meaning you will be unable to make phone calls.

Storage card full – You would be unable to download any more music or image files, take photos or even receive text messages as you do not have any data storage left.

Apps or phone crashing – This may be because the phone or app may need updating.



A.C 4.4 Identify when to try and solve a problem and where to get expert advice.

Where can you get help and expert advice?

- Using help menus in programs or applications.
- Manufacturers guidelines.
- Using specific help apps.
- Manufacturer or device stores.



A.C. 4.5 Use available resources to respond quickly and appropriately to common device problems.

Issues where you would need to get expert help?

- Mechanical issues – replacing parts.
- Recovering lost data.