

## Task 1: Identify the effects of ICT on the individual

### Internet:

#### Messenger:

- What is this? - Messenger is form of communication between two or more people based on typed text over the internet.
- How you use it-I use msn to keep in touch with all of my friends and family. The Xbox 360 also has a messenger section.
- **Advantages**-Using messenger is cheaper than using your mobile phone and you can also talk to a certain amount of people at the same time.
- **Disadvantages**- The downside of using messenger is that people can send on viruses through files.

#### Email:

- What is this? – Email is where you can communicate electronically on the computer.
- How you use it – I use email to send my work to teachers.
- **Advantages** – Some of the advantages of using email are that it is fast and that it's also inexpensive.
- **Disadvantages** – The disadvantage of using email is that the sender could send viruses and malware through attachments if recipient doesn't scan it.

#### WWW:

- What is this? – WWW is the World Wide Web; it consists of internet sites that offer text, graphic, sound and animation resources.
- How you use it – I use the World Wide Web to help me with my homework, or use it for playing games; you can also watch official music videos on Youtube. The World
- **Advantages** – The advantages of using World Wide Web is that it is an easy way to sell online and buy things online. With World Wide Web you can buy and sell thing on the internet.
- **Disadvantages** – The disadvantage of using the World Wide Web is that it's not always true and that some websites can be biased, like a phone company trying to sell you a mobile. Using the World Wide Web could also give you viruses, like if you visit a n iffy site.

#### Social Networking Sites:

- What is this? Social networking is when you use a website to connect with people who share personal interests and there place of origin and education at a particular school. E.g. – Facebook, Myspace, Bebo etc.....
- How you use it – I use social networking sites to keep in touch with my friends. You can also use social networking sites to check up on what your friends are doing. You can view things like pictures and some background about them.
- **Advantages** – Some of the advantaged of using Social Networking sites it that it's a fast way to get messages around to each other at one time, and it's cheaper than using a mobile phone. You can see what some of your friends are doing or what there up to, like on Facebook where you can write down what's on your mind.

- Disadvantages – Some of the disadvantages of using social networking sites is that people can find out personal things about yourself, and could find out where you live, Also some people might put false things about themselves on the site and pretend to be someone else. Some people use social networking sites to put offending things about other people on their accounts. Social networking could also be a place where people bully each other online.

### Communication:

#### Mobile Phone:

- Definition – A mobile phone is a device where you can communicate to each other. It is a long range electronic device.
- How you use it – I use a mobile phone to contact my friends and family. You can send text messages, access the internet, play games, receive music and photos over Bluetooth.
- Advantages – Fast way to send music and pictures to each other. It is portable, easy to take around with you.
- Disadvantages – One of the disadvantages of having a mobile phone is that it's quite expensive when calling people.

#### Video Phone:

- Definition – is a telephone with a video screen. It is capable of video and audio transmissions for communication between people.
- How you use it – You can use a video phone to have a conversation with someone and see them at the same time; they don't even need to be in the same building or even in the same country.
- Advantages – The advantages of a video phone is that it can be used by deaf people, they can communicate to other people by using sign language
- Disadvantages – One of the disadvantages of using a video phone is that the connection might not be very good if you are talking to someone who's in a different country or place.

#### Information points:

- Definition – Information points help you find out about local services at the touch of a screen. Public information points are free and provide information on a range of topics, such as health, education, employment, leisure, travel and tourism.
- How you use it – You use information points to get free information, you can also access paid for services, such as printing digital photographs, downloading mobile phone applications and topping up pay as you go mobiles.
- Advantages –
- Disadvantages –

### Entertainment:

#### Games Console:

- Definition – A games console is an electronic device for playing video games, usually for their own pleasure. It is usually displayed on a television or monitor.
- How you use it – You use a game console (Xbox 360, PS3, Nintendo Wii etc...) by inserting a game into the game drive. You use the controller to control the games. I use my Xbox 360, to play against my friends with online gaming.
- Advantages – The advantages of a game console is that you can send messages to each other over it and you can play against people all around the world. It also gives you something to do when you're bored.
- Disadvantages – The disadvantage of a game console is that it's addictive and they can break down really easily and after a while it gets frustrating. Another disadvantage with game consoles is that the games and accessories for the console are quite high-priced.

#### MP3 Player:

- Definition – A definition of an MP3 (Moving Picture Experts Group-1 Audio Layer 3) it is a device where you can store all your songs.
- How you use it – I use my MP3 player to listen to my music. You can download audio files for an MP3 player from the internet.
- Advantages – The advantage of having an MP3 player is that you can download revision programmes so you can revise whenever and wherever you want (E.g. Bus or car)
- Disadvantages – Disadvantages of an mp3 player is that, the battery usually runs out fast. One of the disadvantages of an MP3 player is that people get addicted to them, and if they listen to it too much people put their hearing at risk.

#### Digital TV:

- Definition – Digital TV is the sending and receiving of moving images and sound.
- How you use it – I use digital TV to watch different things, such as: Cartoons, Movies, Sport and documentaries.
- Advantages – Some of the advantages of Digital TV is that it has improved quality of picture and sound with an existing TV sets and high definition TV with HDTV, it also has interactive multimedia services.
- Disadvantages – Some of the disadvantages of digital TV is that you have to buy a set top box, if the aerial is damaged or old you have to upgrade it. Digital TV also loses connection quickly.

#### Mobile Access:

##### Laptop:

- Definition – A laptop also known as a notebook is a personal computer designed for mobile use which is small enough to sit on one's lap. It includes most of the things that a desktop computer has, such as a keyboard device a touchpad, display, speakers and a battery.

- How you use it – I use my laptop to do my homework; I can take it to different places around my house, such as my garden. I also use my laptop to go on things like msn and to check my mail.
- **Advantages** – It is portable, you can take it to various places such as to other people houses or in your garden. The connectivity on a laptop is good, this means that the laptop can have easy Internet and local network connectivity while remaining mobile. Laptops are smaller than standard PCs. This is beneficial when space is at a premium, for example in small apartments. When not in use, a laptop can be closed and put away easily.
- **Disadvantages** – One of the disadvantages of using a laptop is that the battery usually runs out quite fast. Even though the performance level of the laptop is the same as a normal desktop the laptop is significantly more expensive.

#### **PD▲:**

- **Definition** – **▲ PD▲** is a **PERSONAL DIGITAL ▲SSISTANT**, it's a handheld computer which is also known as a palmtop computer. Many PD▲'s have access to the internet and it has a touch screen technology.
- How you use it – Many people use PD▲'s in cars as automobile navigation. PD▲'s can be used for educational uses, such as note taking.
- **Advantages** – One of the advantages of a PD▲ is that it can be used for a variety of things such as medical and scientific uses, educations uses and sporting uses. It can also be used by people with disabilities.
- **Disadvantages** – Some of the disadvantages of a PD▲ is that its big and difficult to carry in your pocket, needs to be charged constantly and it can be easily broken. Because most of them are touch screen you can accidentally delete stuff without knowing.

#### **Wi-Fi:**

- **Definition** – The definition of Wi Fi is that it is a wireless network connection to the internet.
- How you use it – Wi Fi can be enabled to devices such as pc's, consoles, mobile phones, MP3 players and PD▲'s. People use Wi Fi to connect to the internet and mobile computers.
- **Advantages** – Wi Fi allows local area networks to connect without using wires.
- **Disadvantages** – The disadvantage of Wi-Fi is that if your network is not secure then people can hack into your files.

#### **W▲P:**

- **Definition** – This is a **Wireless ▲ccess PProtocol/Point**, this is a device that allows wireless communication devices to connect to a wireless network using Wi Fi, Bluetooth. The W▲P usually connects to a wired network.

- How you use it – You use WAP to get access to the mobile web from a mobile phone or a PDA.
- Advantages – The WAP application on one application is easily portable to a different environment with little or no change. New services can be added quickly and at a lower cost using WAP.
- Disadvantages – Some of the disadvantages of WAP is that it's Expensive, limited size of RAM or ROM, Limited power supply, Low bandwidth and it's also difficult to keep the phones up to date with new WAP services.

#### Data Capture:

##### Digital Camera:

- Definition – A camera that captures and stores still images as digital data instead of on photographic film.
- How you use it – You use a digital camera to take picture of things, E.g. Family, friends, special occasions: Weddings, Birthdays etc....
- Advantages – The advantages for a digital camera are that it doesn't require a roll of film, this means you don't need to buy the film, drive to the store and wait for it to be developed. Having a digital camera means that you can take a lot more photos with them.
- Disadvantages – Having a digital camera means that it requires greater battery consumption. Digital cameras can have potential equipment failures this could mean that you lose some important pictures.

##### Voice Recorder:

- Definition – A voice recorder is a device which is commonly used to record a speech for later playback.
- How you use it – Many people use voice recorder to record a speech or a song. The police use voice recorders to gather information about an incident or to get evidence about something.
- Advantages – The advantage of a voice recorder is that it helps you record and playback conversations. Voice recorders are also easy to use so it will be easy for elderly people to use.
- Disadvantages – The disadvantage of a voice recorder is that it has poor quality recording, voice recorders are also fiddly. Voice recorders now are a bit out dated.

##### Scanner:

- Definition – The process of translating photographs into a digital form that can be recognized by a computer.
- How you use it – You can use a scanner to backup hard copy files and photos to digital format and send via electronic mail.
- Advantages – The advantage of a scanner is that you can copy things onto computer and you can then edit the thing you've copied. Scanners are very accurate and can produce reasonably high quality images.

- Disadvantages – The disadvantage of a scanner is that images can take up a lot of memory space, Images lose some quality in the scanning and the quality of the final image is reliant on the quality of the original image.