



ICT Topics

2010/2011

Term 1

Week 1:- Uses of the internet

In this task you need to research and write up as many different ways the internet is used. One example might be for people to play games. Try to include as much detail as you can about the ways the internet is used by people.

Week 2:- Safety issues of the internet

In this task you need to think about as many safety issues the internet brings to people and explain what the risk is and how people should try to minimize the risk.

Week 3:- Social networks

There are many social networks that people use. In this task you should write as much as you can about a selection of different social networks and how they are used, why are they successful or not.

Week 4:- What is a spreadsheet?

Research and explain what a spreadsheet is. Try to find some examples of where spreadsheets are used in the real world, why are they used?

Week 5:- What is a word processor?

Research and explain what a Word Processor is. Try to find some examples of where Word Processors are used in the real world, why are they used?

Week 6:- What is DTP?

Research and explain what DTP is. Try to find some examples of where DTP are used in the real world, why are they used?

Term 2

Week 7:- What is a database?

Research and explain what a database is. Try to find some examples of where database are used in the real world. Why are they used?

Week 8:- Storage devices

Information needs to be stored somewhere. You need to research different ways to store things. You could also research why you need to back-up information.

Week 9:- Input devices

Every computer has at least one way that people can put information into it. One example is a keyboard. You need to find out and explain advantages and disadvantages of as many input devices as possible.

Week 10:- Output devices

Every computer has at least one way that people can view information. A few examples are monitors and printers. You need to find out and explain advantages and disadvantages of as many output devices as possible.

Week 11:- CAD/CAM

Find out and explain what CAD/CAM is.

Week 12:- Digital TV

Find out about how digital TV works. Explain the different ways it can be delivered to the home.

Term 3

Week 13:- Hacking

What is hacking? Find some different examples and explain the impact and what can happen to hackers.

Week 14:- Personal data

Personal data is important. Find some examples of how computers can cause personal data to be given to people you would not wish it to.

Week 15:- ICT applications in businesses

Research and describe ways that ICT can be used in business.

Week 16:- Cost and benefit of ICT

Why do businesses spend money on ICT? Find an example of where a business/organisation has spent money on ICT. Why did they do it?

Week 17 Computer jargon

Find the definition for the following ICT words:-

APPLICATION; ATTACHMENT; BANDWIDTH; BIT; BROWSER; BROADBAND; COOKIE; FIREWALL; HYPERLINK; INTRANET; INTERNET SERVICE PROVIDER (ISP); LINUX ; LOCAL AREA NETWORK (LAN); MEGABYTE ; OPEN SOURCE ; OPERATING SYSTEM

Term 4

Week 18:- ICT in banking

Find out and explain how the banks have used the internet to communicate with customers in the last 10 years. Why do banks like customers to use online banking?

Week 19:- ICT for entertainment in home

How is ICT used now in home to entertain people? Don't just choose the obvious Xbox, Play Station etc.

Week 20:- ICT for entertainment outside the home

How is ICT used to entertain people outside the home?

Week 21:- ICT for communicating with others

Research and explain the ways that ICT helps people communicate. You should find as many method as possible e.g. Facebook, e-mail etc. Explain factors like speed, location and cost.

Week 22:- Business communication using ICT

How can businesses use ICT to communicate with staff and customers? Find and explain as many examples as possible.

Week 23:- Future of ICT in the home

Show how you think computers will change our homes in the next 10 years.

Term 5

Week 24:- VOIP (Skype)

Explain what VOIP is and why people use it.

Week 25:- Mobile phones

Explain the advantages and disadvantages of mobile phones.

Week 26:- Smart phones

What is a smart phone and how can one be used?

Week 27:- ICT on the move

How can ICT be used when people are travelling? Find and explain different methods that can be used to allow people to work on the move.

Week 28:- ICT in the work place 1

Pick a job that interests you and then explain how ICT may be used in that job.

Term 6

Week 29:- ICT in the work place 2

Same as week 28, but pick another job.

Week 30:- Networking

What is a computer network? Explain the advantages of a computer network.

Week 31:- ICT in the movie industry

Find out as much information as you can about how ICT is used in the film industry.

Week 32:- Digital photography

What is digital photography and how does it advantage individuals and businesses? (Newspapers, Estate Agents etc).

Week 33:- New ICT tools.

Research news tools that help people access ICT. Examples are the Ipad, smart phones etc.

Week 34:- Websites

List and explain the purpose and content the of the websites you visit most.

Week 35:- E commerce

Find and explain why some businesses decide to sell things using the internet. Use examples where possible.