communication. They are the core devices enabling internetworking and are the backbone behind the Internet.

	Activity 1.7

1. What is a network topology?

2. Outline the main features of a network topology.

3. What are the key concepts of data transmission?

4. How the concepts of data transmission work?

5. Outline the concept of Internetworking.

Online Resources

1. Electronic resources or services

Resources and services that are available on the Internet and are accessible via the web are called online or electronic resources or services (e-resources/e-services).

There are many different types of online resources available on the Internet. Resources for different use such as education, research, entertainment, reading materials, Storage spaces, News and many more. The common e-resources are;

- e-Libraries
- e-books
- e-journals
- databases
- e-news
- online video
- shopping information
- Government resources
- Business resources

Some of the services offered online are:

Communication Services
Sending and receiving email is one of the popular activities services on the Internet. Even the use of voice and video communication tools is allowing people to communicate with their friends and families, anywhere at any time.

Electronic commerce (e-commerce) Services

This is one of the fastest growing uses of the internet. Companies are now using the Internet to promote and sell their products, or simply to do business. For instance, customers can go online and search for any type of product, and purchase them at that point in time. The seller can then deliver the purchased items to the address provided by the buyer online.

Research Services

The Internet offers an extreme wealth of knowledge for users to access. Users can use Internet search engines such as Google or Yahoo to search for information of almost any kind for either personal or research purposes.

Entertainment Services

Using the Internet, people can access many different forms of entertainment. People can read the news, play games, listen to music, watch movies, sports and much more.
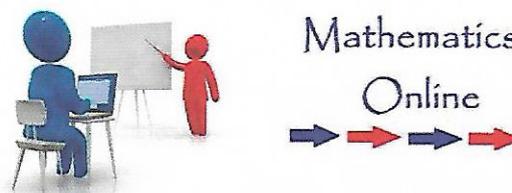
Social Media

One of the fastest growing uses of the Internet is the use of social media. The most popular examples being Facebook and Twitter. Most social media are free social networking websites that allow users to share information about themselves, upload photos and videos, send messages as well as to keep in touch with friends, families and colleagues.

Education

Data Networking and the Internet will continue to improve the learning process of students around the world. With the majority of students owning mobile phones, using this device as a learning tool could allow students to interact more and gain access to educational material at any time.

The Internet of Everything is also increasing the impact students are having on changing the education process.

The internet will continue to provide us with information and lots of services, sometimes even for free. This makes our lives easier and sometimes also cheaper. With the many difficulties we will have to deal with in the future, the Internet will surely be a useful place to find support for everyone, especially students.

Electronic mail (email)

Emailing is the most common means of communication over the Internet. Emailing allows internet users to send and receive digital messages using different email applications.

World Wide Web (WWW)

The World Wide Web, or just Web for short, is a database of Web sites. Within that database are billions of Web sites containing content that cover a variety of topics.

To find information on the World Wide Web, you may need an Internet Browser and a Search Engine.

Internet Browser

An Internet browser is a software program that enables you to access and browse (navigate) the Internet by displaying Web page contents on your computer with a graphical interface. The term "surfing the Web" refers to this process of navigation.

Google Chrome and Mozilla Firefox are examples of popular web browsers (browsing applications). Although similar in terms of web browsing, each web browser has their own unique features and ways of providing users an internet surfing experience. There are many other browsers available such as Internet Explorer and Safari.

Google Search   I'm Feeling Lucky

Google to offered in: Faka-Tonga

Search engine.

People use search engines when they need to find specific information on the internet. The search engines do this by sorting the information on the WWW into smaller groups based on specific topics (such as News, Email, Games, etc.). As a result, search engines seem to resemble large databases of web page files that have been assembled automatically by a computer system.

Popular Search engines include:
- Google
- Yahoo Search
- Bing (MSN)

Web Site

A website is a site or area on the World Wide Web that has its own unique internet address which users can use to access it with. A Web site can be a collection of related Web pages (most having a main Home page and any additional ones). A web site is created, owned and updated by an individual, company,