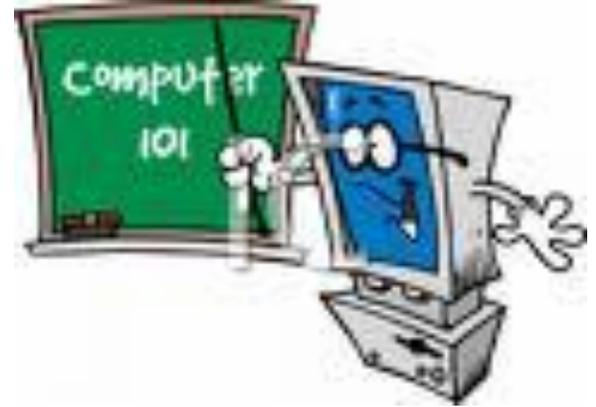


Introduction to Information Technology

Chapter 1



1.1 Computers Are Everywhere

- 6670.34 Investigate the history and emerging advances of information technology.
- 6670.35 Describe the impact of information technology on business and society.

1.2 Computers in the Workplace

- 6670.40 Investigate current and future trends in information technology.

1.3 Challenges of a Digital Society

- 6670.41 Examine social, ethical, and legal issues associated with information technology.

Vocabulary:

- Augmented printing
- Augmented reality (AR)
- bandwidth
- Cloud computing
- computer
- Digital revolution
- e-mail
- Embedded computers
- Emerging technologies
- Information technology (IT)
- Quick response (QR)
- Interactive books
- smartphone
- Software as a service (SaaS)
- Software-defined storage
- telecommuting
- worker productivity
- cybersecurity
- data mining
- digital divide
- digital middle class

The History of Computers

- In 1833 a man by the name of Charles Babbage invented all the parts that are now used for a modern computer. But it was only 120 years later that the first 'modern' computers were invented.
- Konrad Zuse was the inventor of the first computer in the world in 1936 and he named it the Z1. In 1939, he created the Z2 as the first electro-mechanical computer in the world.
- So computers were born, and these early computers were made in the 1940s and were around the size of a large room and they used heaps of electricity. Can you imagine having a computer the size of a large room? How would you be able to sit in front of it?
- Computers as we know them today only really started being made in 1980.
- In 1980, the first one gigabyte disk drive was released in the world. It was a whopping US\$40,000 with the weight of 550 pounds (almost 227kg). How on Earth did they move it?