

Unit: 6.6 – Networks

Key Learning

To learn about what the Internet consists of.

To find out what a LAN and a WAN are.

To find out how the Internet is accessed in school.

To research and find out about the age of the Internet.

To think about what the future might hold.

Key ResourcesKey Vocabulary

Internet - A global computer network providing a variety of information and communication facilities consisting of interconnected networks using standardized communication protocols.

World Wide Web - An information system on the Internet which allows documents to be connected to other documents by hypertext links, enabling the user to search for information by moving from one document to another.

Network - Several interconnected computers, machines, or operations.

Local area network (LAN)- A computer network that links devices within a building or group of adjacent buildings, especially one with a radius of less than 1 km.

Wide area network (WAN) - A computer network in which the computers connected may be far apart, generally having a radius of more than 1 km.

Router - A device which forwards data packets to the appropriate parts of a computer network.

Network cables - Used to connect and transfer data and information between computers and routers.

Wireless – The ability to transmit data from one device to another without using wires.

Key Questions

What is the difference between the Internet and the World Wide Web?

The Internet is a global network of networks while the Web, also referred formally as the World Wide Web (www) is collection of information which is accessed via the Internet.

What is the difference between a LAN and a WAN?

Both are networks that connect computers together. A LAN (Local Area Network) is normally for computers connected less than 1KM distance whilst a WAN (Wide Area Network) refers to computers connected more than 1KM away.

Who is Tim Berners-Lee?

Tim Berners-Lee is the inventor of the World Wide Web. The WWW is the system that delivers webpages over the internet.