Computing – Lent 1
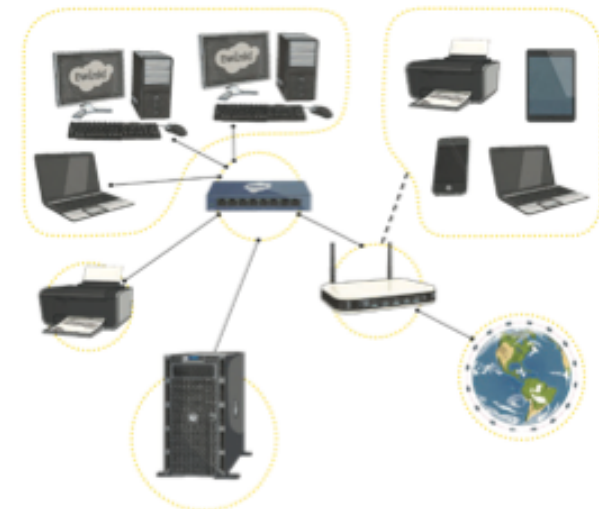## Scratch, algorithms and debugging

Internet vs World Wide Web

Many people believe that the Internet and the World Wide Web are the same. In fact, they are two separate concepts. One is a network and the other is a file system.

The Internet is a network of computers connected to each other all around the world. The World Wide Web is a global filing system that runs on the Internet. Many entries in the World Wide Web's filing system are websites which consist of many web pages.

What Is a Computer Network?

A computer network is a group of connected devices, such as computers, printers, smartphones, routers and hard drives. They link together to 'communicate' with each other and share information. Computer networks can be large or small and can have lots of devices connected to them. For example, most schools have a computer network that allows staff and pupils to access and share information and resources. Some devices they might use are printers, computers, tablets and photocopiers.

Key Vocabulary	
cloud storage service	A group of computers that provide storage services through the Internet.
email	Short for electronic mail. It is a way to send and receive digital messages over the Internet using an email address.
email address	A unique name chosen by the account owner. It can contain letters, characters and numbers and includes the @ symbol followed by the email domain name.
email clients	These are computer programs which allow you to send and receive emails. It is your email provider. They can be app-based, web-based or both.
Internet	The Internet is a large network of computers connected to each other all around the world.
phishing	The word phishing describes a person or group of people who try to scam you by sending emails or creating web pages that look real. It is a cyber-attack where cybercriminals try to gain sensitive information from you by pretending to be someone you would normally trust.
spam	Spam is a slang term that describes junk emails sent to thousands of people without their consent. They are sent from unwelcome senders who want to trick you, for example they may wish to scam you by trying to sell you something that is not real.

The Journey of the Email

Sender — SMTP
Sender's email client server

SMTP
Internet

Recipient — POP3/IMAP
Recipient's email client server