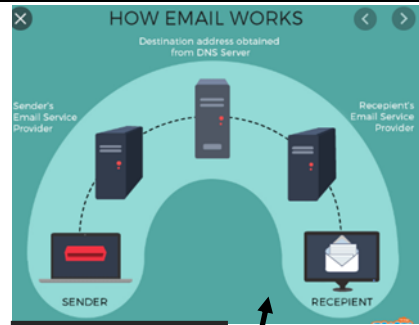


Key Learning

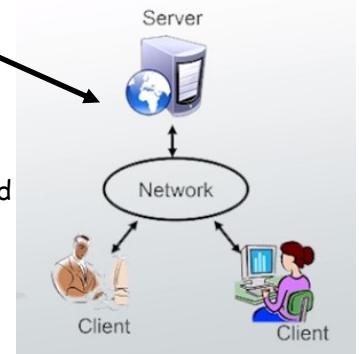


Email

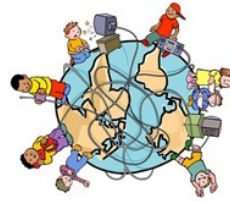
Computers whose one and only purpose is to send information to other computers are called **servers**, and the computers they serve are called **clients**.

When you open a webpage, your computer sends a message to another computer asking for the page, and that computer sends the page back. **Servers** therefore can be located across the planet.

servers



Email's are sent like letters. It allows people, who have an email address, to send and receive electronic letters. They usually deliver quickly and are free. You can send **emails** internationally quickly.



SCRATCH

Programmers write computer programs in a language we call **code**. This is when more than one **algorithm** is made and a script is formed from scratch blocks.

Block	Meaning
	This will start our game running. When the green flag is clicked all connected blocks will be run in order
	This creates a loop. Code inside is run over and over until the game is quit
	This is an if block. It checks whether something is true and if so, the code inside it is run
	This is a custom block and let's us create a procedure to call multiple times
	This block allows us to animate our character to walk
	This block goes inside an if block and allows us to check whether a key has been pressed
	This block allows us to move our character right or left (on the x axis)

Outputs are devices that feed information out of a computer. These are devices such as: a printer, speakers and a computer screen or monitor.

Output Devices



There are many new blocks that can be used to create your **algorithms**. You can use more complex blocks to start your program or for **Movements..**



When you run your program, the Sprite moves towards you but does not rotate. There must be a **bug!** The program works, but not properly. There must be a problem with

Debugging

Key Vocabulary

Simple selection	When you choose part of something. For example, when you copy and paste text, the pas-
output	Information that comes out of the computer.
Servers	A computer connected to the internet or to a local area network providing services - such as file storage, printing, authentication, web pages or email - automatically to other computers on the internet or local network
email	Email is electronic mail that is stored and exchanged via telecommunications.
Code	Coding is putting information and commands into a program , making it possible for you to
Debugging	Debugging is checking the code in a computer program to ensure it works, and changing it if it doesn't. When writing a computer program things will often go wrong.