Vocabulary:

I.P. Address - An IP (*Internet Protocol*) address is a network address for your computer, so the internet knows where to send your emails and data.

Packet - A packet is a small segment of a larger message. Data sent over computer networks, such as the Internet, is divided into packets.

Previous Vocabulary:

Computer network - A group of interconnected computing devices.

Internet - a network, or system, that connects millions of computers worldwide.

Wireless access point WAP (router) - A device that manages the flow of data between computer networks.

Search engine – Computer software used to help people find the information they are looking for – e.g. Google.

Switch (network switch) - A device that manages the flow of data packets within a computer network.

Server - A networked computer that manages, stores, and provides data such as files to other computers.

Web server - A powerful computer, like a PC in a building somewhere. Your web browser can connect to it, to download text and images.

World Wide Web (WWW) – A system of interconnected public webpages accessible through the Internet.

Wireless Network (Wi-Fi) - a computer network that uses wireless data connections between network devices (nodes).

Groblox:

6.1.1 - I can decide when I should and should not share information online

6.1.2 - I can describe how computers use I.P. addresses to share information

6.1.3 - I can explain how media is shared across the internet

6.1.4 - I can explain how the internet enables effective collaboration

Previous Groblox:

4.1.1 - I can explain 5 ways to keep myself safe online

4.1.2 - I can explain what the internet is.

4.1.3 - I can describe how devices connect to the internet.

4.1.4 - I can explain that not everything on the World Wide Web is true and how to find accurate information

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light
6.1.1						
6.1.2						
6.1.3						
6.1.4						

IP Addresses: An Overview

They're so much more than a string of numbers.

192.168.1.1

IP addresses are **unique identifiers** assigned to internet-connected **devices**, and they're required for your device to access the internet.

Vocabulary:

Nudies – *images of a naked person*

Previous Vocabulary:

Algorithm – a set of steps or instructions.

Code – a set of instructions for a computer.

Command – an instruction given to an object or character to make something happen.

Debug – detect and correct errors in programs.

Variable – A named piece of data (often a number or text) stored in a computer's memory, which can be accessed and changed by a computer program.

Random variable - A variable whose value is unknown, i.e. a number chosen by chance like rolling a dice.

Test – to run the program or set of commands to check how well (if at all) the code works.

Term 2 Groblox:

6.2.1 - I understand why not to share inappropriate images (nudies)

6.2.2 - I can identify examples of information that is variable

6.2.3 - I can create algorithms for my project

6.2.4 - I can test the code that I have written and debug it where necessary

Term 3 Groblox

6.3.1 - I can explain how to be a safe social networker

6.3.2 - I can present data I have collected in an appropriate visual form and analyse and evaluate it.
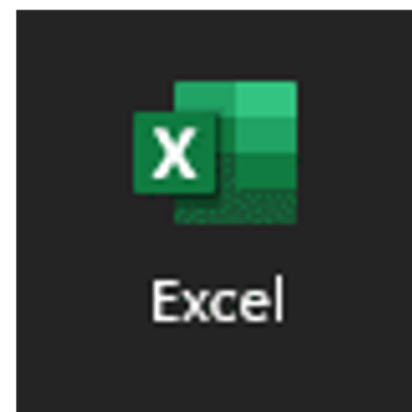
Previous Groblox:

4.2.2 - I can explain what a variable is.

4.2.3 - I can explain what a random variable is.

5.2.4 - I can detect and correct errors in algorithms and programs

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light
6.2.1						
6.2.2						
6.2.3						
6.2.4						
6.3.1						
6.3.2						

Vocabulary:

Infinite loop - sometimes called an endless loop -is a piece of code that repeats indefinitely.

Conditional loop - A conditional loop tells a computer to repeat a sequence of actions until a condition is satisfied.

Microcontroller - A Computer in Miniature - They contain all of the core components that make up any modern digital computer – a central processing unit (CPU), memory and some form of data input and output.

Micro:bit - The BBC micro:bit is a pocket-sized computer. It has an LED light display, buttons, sensors and many input/output features that you can program and physically interact with.

Previous Vocabulary:

Algorithm – a set of steps or instructions.

Code – a set of instructions for a computer.

Command – an instruction given to an object or character to make something happen.

Debug – detect and correct errors in programs.

Groblox:

6.4.1 - I can explain why everyone has the right for privacy

6.4.2 - I can explain what an infinite loop does

6.4.3 - I can design a conditional loop

6.4.4 - I can program a microcontroller to respond to an input

6.4.5 - I can write an algorithm that describes what my model will do
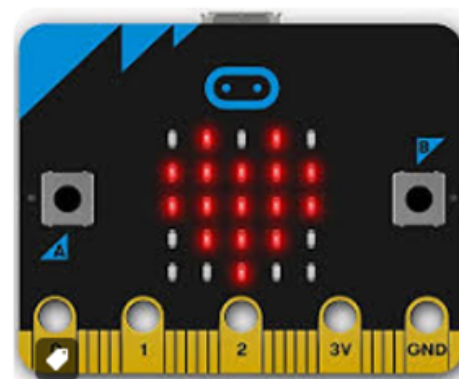
Previous Groblox:

6.1.1 – I can decide when I should and should not share information online

6.2.3 - I can create algorithms for my project

6.2.4 - I can test the code that I have written and debug it where necessary

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light
6.4.1						
6.4.2						
6.4.3						
6.4.4						
6.4.5						

Vocabulary:

Plagiarism - the practice of taking someone else's work or ideas and passing them off as one's own.

Previous Vocabulary:

Combine – To bring together two or more images.

Composition - Means the way in which it has been put together or arranged.

Crop - To remove parts of a digital image or to retain a smaller section of the original.

Clone – To make an exact copy of the digital image.

Edit - Enhancing your photo to make it look the way you want it to.

Import – to bring a digital image in to the software from a camera or device.

Image - a picture of an object formed by a device using lots of tiny squares known as pixels.

Rotate – To turn the picture round.

Groblox:

6.5.1 - I can explain how to ensure I don't plagiarise anyone's work.

6.5.2 – I can select, use and combine a variety of software to create an effective video showing my memories/aspirations for the Yr6 leaver's service.

Previous Groblox:

5.5.2 - I can use photo editing software to crop and edit an image.

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light
6.5.1						
6.5.2						