



The internet - Year 4, Term 1, Learning Organiser

Vocabulary:

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.

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.

Previous Vocabulary:

Hyperlink – a link that takes a user to another document, or web page, or to another part of a document.

Online – on the internet.

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

Computer network - A group of interconnected computing devices.

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.

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



What's the Difference Between Wired and Wireless Network? – VCELINK

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Maths Games - Year 4, Term 2, Learning Organiser

Vocabulary:

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.

The upper row – The top row of letters on the keyboard.

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.

Data - A letter, word, number etc. that has been collected for a purpose.

Debug – detect and correct errors in programs.

Groblox:

4.2.1 - I can explain how the code works in scratch so that balloons pop when clicked.

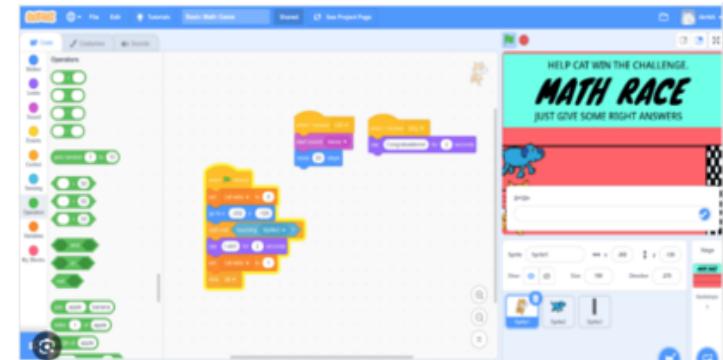
4.2.2 - I can explain what a variable is.

4.2.3 - I can explain what a random variable is.

4.2.4 - I can amend the maths game to become a times table game by changing the code.

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light





Vocabulary:

Animation - the art and science of making pictures, or images, appear to move.

Digital footprint – A digital footprint is like leaving footprints behind you as you walk, pointing to all of the things you've read, visited, and shared on line.

Duplicate – to make a copy.

Hyperlink – a link that takes a user to another document, or web page, or to another part of a document.

Interactive – allowing two-way communication between a computer and a person.

Motion path – this allows you to create a journey for an object so it looks like it's moving.

PowerPoint – Microsoft presentation software

Sequence - a pattern or process in which one thing follows another.

Groblox:

4.3.1 - I can explain the significance of '*our online content lasts forever*' and how we should think before we post

4.3.2 - I can use and combine software (i.e. a search engine and PowerPoint) to design and create an animated PowerPoint on previous learning to present to the class as directed by class teacher.

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light



PowerPoint



Data Logging - Year 4, Term 5, Learning Organiser

Vocabulary:

Data logger - A data logger is a device that records data over time. They usually have a built-in sensor.

Data points – A data point represents a single piece of information.

Data sets – A collection of related data.

Logging intervals - The period of time between which measurements are taken by the sensors.

Sensors - A sensor is a device that detects events or changes in its environment and sends the information to the computer.

Previous Vocabulary:

Data - A letter, word, number etc. that has been collected for a purpose.

Home Keys – the 'p' and 'j' keys where the index finger 'lives'.

Home row – the middle row on the keyboard where the fingers should 'live'.

The upper row – The top row of letters on the keyboard.

Groblox:

4.5.1 - I can explain the home row, upper row and the home keys and demonstrate good typing skills and finger placement.

4.5.2 - I can explain what data can be collected using sensors.

4.5.3 - I can use a data logger to collect data.

4.5.4 - I can explain the benefits of using a data logger.

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light



SCIENCE
JOURNAL



Maths Games2 - Year 4, Term 6, Learning Organiser

Vocabulary:

Broadcast block - Allows you to send a message in Scratch to activate other commands of scripts.

Previous Vocabulary:

Digital footprint – A digital footprint is like leaving footprints behind you as you walk, pointing to all of the things you've read, visited, and shared on line.

Groblox:

4.6.1 - I can explain our digital rights and responsibilities.

4.6.2 - I can amend the maths game to draw other 2D shapes.

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light

Previous Groblox:

4.2.1 - I can explain how the code works in scratch so that balloons pop when clicked.

4.2.2 - I can explain what a variable is.

4.2.3 - I can explain what a random variable is.

4.2.4 - I can amend the maths game to become a times table game by changing the code.

