



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

Previous Groblox:

3.1.1 - I can name four ways to keep myself safe online.

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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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.

Previous Groblox:

3.1.1 - I can name four ways to keep myself safe online.

Groblox Assessment

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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.

Previous Groblox:

3.4.1 - I can explain a digital footprint.

3.6.1 - I can use PowerPoint to create an animation.

3.6.2 - I can create an interactive PowerPoint.

3.6.3 - I can explain what a hyperlink is.

Groblox Assessment

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PowerPoint



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 ‘f’ 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.

Previous Groblox:

3.5.1 - I can explain good netiquette.

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light



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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.

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.

Groblox Assessment

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