



Connecting Computers – Year 3, Term 1, Learning Organiser

Vocabulary:

Computer network - A group of interconnected computing devices.

Wireless access point WAP (router) - A network device that allows wireless computing devices to connect to a wired network.

Wireless Network (Wi-Fi) - a computer network that uses wireless data connections between network devices (nodes). Advantages are that devices can be moved around and don't have to be plugged in. Disadvantages are that the connection speed may be slower.

Previous Vocabulary:

Information technology - all the technology around us, things like mobile phones, computers, tablets, CD and DVD players, and digital cameras

Device - an invention or machine used to perform simple tasks.

Computer - a device for working with information.

Online – on the internet.

Monitor – an electronic device that shows the computer's display.

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

Groblox:

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

3.1.2 - I can classify input and output devices.

3.1.3 - I can explain the role of a wireless access point (router).

3.1.4 - I can identify the advantages and disadvantages of a wireless network (Wi-Fi) over a wired network.

3.1.5 - I can save work in my folder using the 'save as' function

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light



Previous Groblox:

2.1.1 - I can explain three things I can do to help keep myself safe online.

2.1.2 - I know which two keys are the home keys and which fingers 'sit' on them for best touch typing.

2.1.3 - I can explain what information technology is.



Lightbot - Year 3, Term 2, Learning Organiser

Vocabulary:

Repetition – the act or process of repeating (doing something again and again)

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.

Predict – work out what will happen.

Program – to create a sequence of instructions (code) for a computer.

Sequence – an order of events.

Groblox:

3.2.1 - I can explain how to deal with online bullying.

3.2.2 - I can successfully code a robot to move, jump, turn.

3.2.3 - I can debug - detect and correct errors in programs.

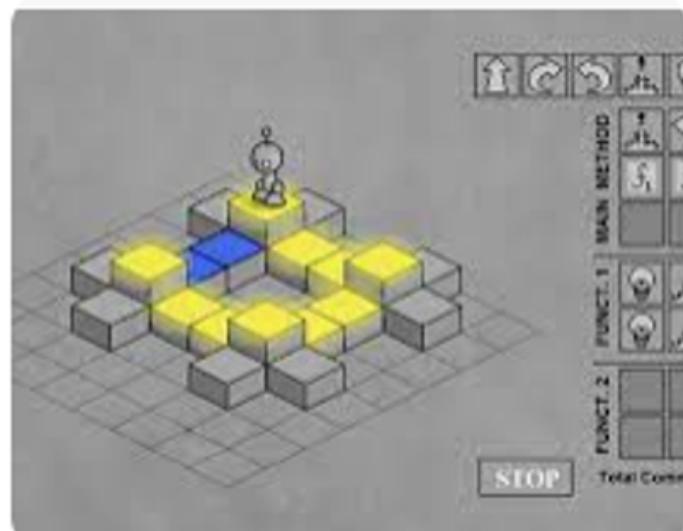
3.2.4 - I can successfully use and explain the repetition function.

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light

Previous Groblox:

2.2.1 - I can explain what online bullying is.





Sequencing Sounds- Year 3, Term 3, Learning Organiser

Vocabulary:

Condition - A statement that can be either True or False

Secure – safe, protected

Previous Vocabulary:

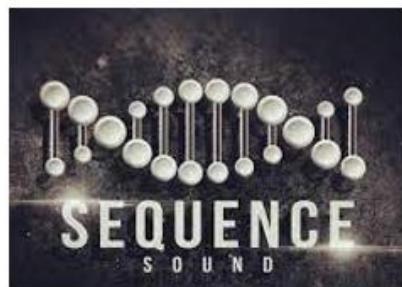
Debug – detect and correct errors in programs.

Program – to create a sequence of instructions (code) for a computer.

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

Code – a set of instructions for a computer.

Algorithm – a set of steps or instructions.



Groblox:

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

3.3.2 - I know an easy way to tell if a website is secure.

3.3.3 - I can build a sequence of commands.

3.3.4 - I can implement my algorithm as code.

Previous Groblox:

2.1.2 - I know which two keys are the home keys and which fingers 'sit' on them for best touch typing.

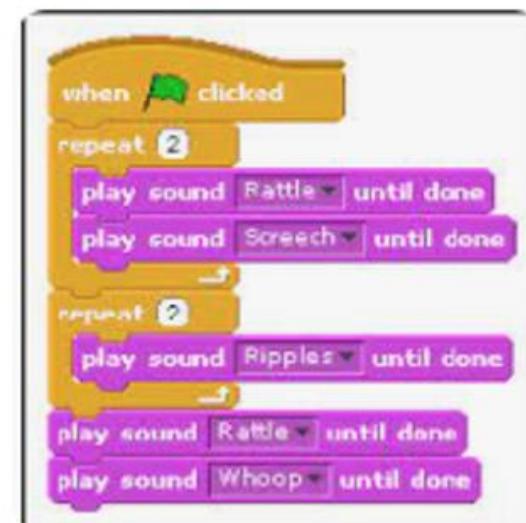
2.5.1 - I can explain that a series of instructions is a 'sequence'.

2.5.2 - I can explain what happens when we change the order of instructions.

2.5.3 - I can design an algorithm.

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light





Branching Databases - Year 3, Term 4, Learning Organiser

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.

Branching database – A branching database is a way of classifying a group of objects. If it has been designed properly, someone else could use it to identify one of the objects. It could be used, for example, to classify mini-beasts.

Attributes - A word or a phrase that can be used to describe an object such as its colour, size, or price.

Groblox:

3.4.1 - I can explain a digital footprint.

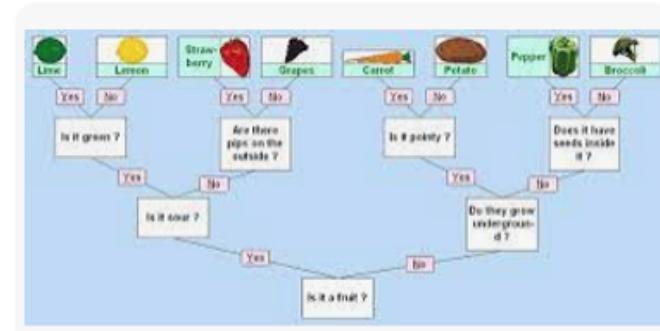
3.4.2 - I can group objects using my own yes/no questions.

3.4.3 - I can create a branching database that reflects my plan.

3.4.4 - I can suggest real-world uses for branching databases.

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light





Scratch Coding - Year 3, Term 5, Learning Organiser

Vocabulary:

Data – A letter, word, number etc. that has been collected for a purpose, but stored without context.

Sprite – an object or character that can be programmed.

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

Co-ordinates - two numbers/letters used to identify the position of a point on a grid.

Input – Information given to a computer to make something happen, e.g. a mouse click.

Output – Something that a computer produces when given an instruction, e.g. a sound.

Animation – a moving picture.

Netiquette - rules that provide guidance for appropriate social interaction online.

Groblox:

3.5.1 - I can explain good netiquette.

3.5.2 - I can program a sprite to continuously move.

3.5.3 - I can create an animation and program two sprites to interact with one another.

Groblox Assessment

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light
3.5.1						
3.5.2						
3.5.3						

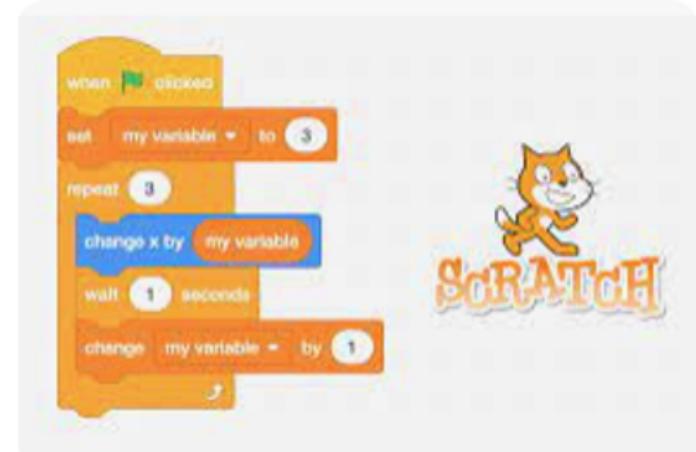
Previous Groblox:

1.2.1 - I know why it is important to be kind online.

2.5.1 - I can explain that a series of instructions is a 'sequence'.

2.5.2 - I can explain what happens when we change the order of instructions.

2.5.3 - I can design an algorithm.





Creating an animation – Year 3, Term 6, Learning Organiser

Vocabulary:

PowerPoint – Microsoft presentation software

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

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

Duplicate – to make a copy.

Avatar – an image that represents you on the screen in an online game or chatroom.

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

Previous Vocabulary:

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

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

Groblox:

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

Code	Date	Traffic Light	Date	Traffic Light	Date	Traffic Light

