Technology Around Us – Year 1, Term 1, Learning Organiser

Vocabulary:

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.

Mouse - a small device that a computer user moves in order to point to a place on a display screen and to select one or more actions.

Keyboard - an input device which consists of number of buttons known as keys.

File – the storage unit in a computer which saves information.

Groblox:

1.1.1 - I can explain two things I can do to help keep myself safe online.

1.1.2 - I can name the main parts of a computer.

1.1.3 - I can use a mouse to open a program.

1.1.4 - I can switch on and log into a computer.

Previous Groblox:

I know what a sensible amount of time to spend on a screen is.

I know to tell a trusted adult if I see something I'm not sure about online, i.e. popups, inappropriate content.

I know not to share personal information online.

I can begin to control a computer mouse to navigate a website.

mouse

monitor

keyboard

devices

Vocabulary:

Image – A picture, also called an image, is a group of coloured points on a flat surface that looks the same as something else.

Tools – A tool is an object that is used to help perform a specific task.

Undo – a command that allows you to easily reverse the last action you performed on a computer.

Redo – this restores any actions that have been previously undone using an **undo**.

Text – the writing

Digital painting – a picture / painting created on a computer or device.

Groblox:

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

1.2.2 - I can create a coloured image.

1.2.3 - I can alter a mistake on a digital painting.

Previous Groblox:

C.1.1 - I can explain two things I can do to help keep myself safe online.

C.1.2 - I can name the main parts of a computer.

C.1.3 - I can use a mouse to open a program.

C.1.4 - I can switch on and log into a

Vocabulary:

Digital writing – writing/text created on a computer or device.

Font – text on a computer that can have different sizes, colours, or designs.

Type / typing - To input data to a computer by pressing the keys on the keyboard.

Groblox:

1.3.1 - I know why it is important to not spend too much time online.

1.3.2 - I can add text to a digital painting.

1.3.3 - I can alter font size.

Previous Groblox:

I know what a sensible amount of time to spend on a screen is.

C.1.3 - I can use a mouse to open a program.

C.1.4 - I can switch on and log into a computer.

C.2.2 - I can create a coloured image.

C.2.3 - I can alter a mistake on a digital painting.

keyboard

Typing

Font

Font 10
Font 16
Font 22
Font 28
Font 34
Font 40

Vocabulary:

Personal information – your name, address, date of birth, address, school etc.

Stranger – a person you don't know.

Danger – something that might hurt you or cause you harm.

Group – a collection / more than one

Object - a thing that can be seen, held, or touched, usually not a living thing.

Properties – the features of an object which help us to describe it i.e. colour, size, shape

Compare – when we look to see what is the same or similar about two things.

Groblox:

1.4.1 - I know what is meant by personal information.

1.4.2 - I can group physical objects in more than one way.
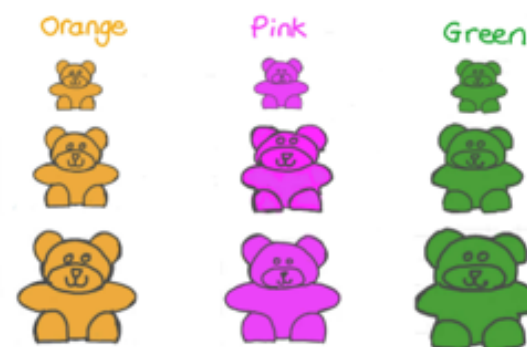
1.4.3 - I can compare groups of physical objects.

Previous Groblox:

I can explain two things I can do to help keep myself safe online.

C.1.3 - I can use a mouse to open a program.

C.1.4 - I can switch on and log into a computer.

TOP SECRET

Orange   Pink   Green

Vocabulary:

Digital citizen – a well-behaved, kind and responsible person online.

Edit – to correct.

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

Code – a set of instructions for a computer.

Debug – to make our code better (removing the bugs/faults).

Algorithm – a set of steps or instructions.

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

Groblox:

1.5.1 - I know what an algorithm is.

1.5.2 - I can program a Beebot to follow a set of 3 instructions.

1.5.3 - I understand what debugging is

Previous Groblox:

C.2.3 - I can alter a mistake on a digital painting.

Beebots

Debugging

Digital citizens

Command

Algorithm

forward   forward   right turn   forward   forward   right turn

Vocabulary:

Gamer – a person who plays computer games.

Predict – work out what will happen

Edit – to correct.

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

Code – a set of instructions for a computer.

Debug – to make our code better (removing the bugs/faults).

Algorithm – a set of steps or instructions.

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

Groblox:

1.6.1 - I can write simple instructions (code) for a beebot.

1.6.2 - I can explain what my program should do.

1.6.3 - I can debug my program.

Previous Groblox:

1.5.1 - I know what an algorithm is.

1.5.2 - I can program a Beebot to follow a set of 3 instructions.

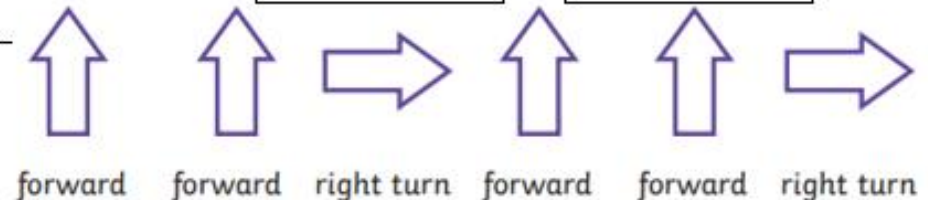**1.5.3 - I understand what debugging is.**

Beebots

Program

Code

Debugging

Command   Algorithm

forward   forward   right turn   forward   forward   right turn