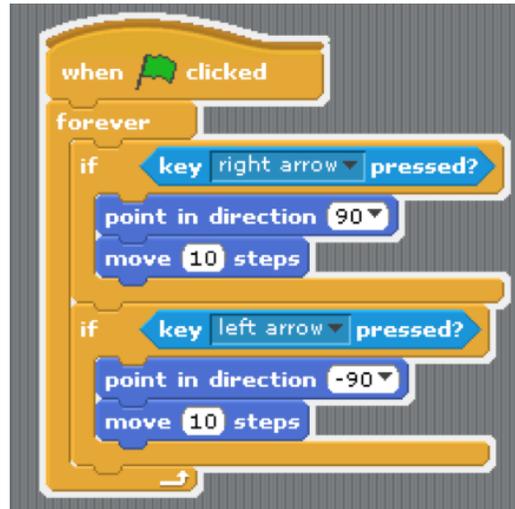




Vocabulary	Definition
Pen up	To can move your item without leaving tracks.
Pen down	To can move your item by leaving tracks.
Goal	An aim or purpose.
Logical	To think carefully about something.
De-bug	Finding and fixing problems in an algorithm or program.
Repetition	To do something again.
Predict	To make a prediction and estimate.
Program	An algorithm that has been coded into something that can be run by a machine.
Algorithm	A list of steps to finish a task.
Sequence	Putting commands in the correct order so computers can read the commands.
Feature	A piece of information about the content of an image.
Instructions	Directions and orders for how something is done.
Duplicate	To make an exact copy of it.
Function	A block of organised, reusable code.
Software	It is the program that runs on a computer.

Code.Org

Key Question: How can use sequencing, selection, and repetition in programs to work with variables and various forms of input and output?



move forward

turn right ↻

turn left ↻

1 remove 1

while there is a pile ▼
do

comment:

Lesson 1 – How can I be aware of my personal privacy and security?

There is a difference between personal and private information.

A password needs a combination of letters and numbers.

A password should NOT contain personal information.



Lesson 2 – How can I sequence code and fix errors?

You can order movement commands as steps in a program.

You can modify existing program to solve errors. This is usually called debugging.



Lesson 3 – How can an algorithm be repeated?

You can simplify code by adding in loops.

A loop can repeat the algorithm multiple times.



Lesson 4 – How can I add conditionals to my algorithm?

You can add 'while' in loops to perform more than 1 action in code.

You can add if/else statements as a conditional.



Lesson 5 – How can behaviours affect the algorithm?

A sprite is a character or an object.

A behaviour is an action that is continuous unless it is stopped.



Lesson 6 – Can I apply everything that I have learnt about coding?

An algorithm can be simple and can be added to.

An algorithm can have loops and conditionals.

Substantive concepts	Vocabulary		
Microsoft Word	Keyboard - Something that you type on to get different letters, numbers and symbols.		Word processing - Word processing involves the use of computers, software, and printers to get data into printed form.
E-Safety	E-safety - Knowing ways to safe online.	Cyber bullying - Bullying that takes place through electronic devices online.	Social media - Websites and applications that allow users to create and share content.
Art & Design	Animation - A way of making a movie from many still images.		Frames - Individual pictures in a sequence of images.
Computer Science	Algorithm - A process or set of rules to be followed.	Debug - To find and fix any mistakes or errors.	Program - A precise series of instructions written in a computer language.
Presentation	Image - A picture of something.	Resize - To make the file size or image smaller.	Layout - How the images and texts looks like on the page.
PowerPoint	Screenshot - To take a picture of your screen or part of your screen.		Shortcuts - Using the keys efficiently on the keyboard to perform tasks. 