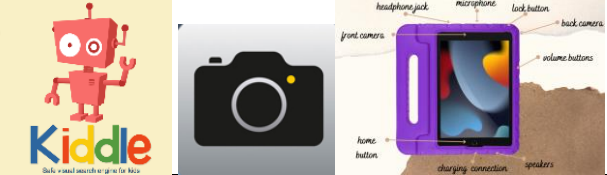


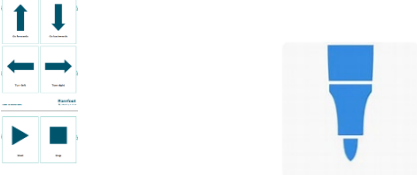
Autumn 1 (Understanding technology, Digital Literacy & Online safety (Project Evolve-Self-image & identity, online relationships) (ELG:Understanding the world)

Knowledge <i>I know...</i>	Skills <i>I can...</i>	Links back to <i>I remember...</i>
<ul style="list-style-type: none"> The internet helps us to find out new things We use Kiddle on the internet We use the internet with a grown up Ipads can help us with our learning I need to take a good quality photo or video 	<ul style="list-style-type: none"> Name different technology Name different parts on an ipad Follow the rules we have in school/at home for using the internet/iPads Use Kiddle to search on the internet safely (with the help of an adult) Get help from an adult if something on the internet worries me Use the iPad to take a photo Edit my photo Use the iPad to take a video Recognise ways in which the internet can be used to communicate Recognise, online or offline, that anyone can say 'no' – 'please stop' 'I'll tell' 'I'll ask' to somebody who makes them feel sad, uncomfortable, embarrassed, or upset 	<ul style="list-style-type: none"> n/a

<p>Vocabulary:</p> <p>App: A computer programme on a phone, tablet or watch Digital art: Art that is made using technology Internet: a global computer network that gives information and communication Kiddle: An online search engine for children Online: your computer is connected to the internet</p> <p>[N.B. Children to be exposed to vocabulary but no expectation to use as per skills progression]</p>	<p>Images:</p> 
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Spring 1 Programming, Digital Literacy & Online safety (Safer Internet Day, Project Evolve -Online Reputation, Online Bullying) (ELG: Building Relationships, active learning, creating & thinking critically, mathematics)

Knowledge <i>I know...</i>	Skills <i>I can...</i>	Links back to <i>I remember...</i>
<ul style="list-style-type: none"> A range of technology is used in my home and at school You have to be safe when using a computer, the internet or ipads and have to follow the rules for using these That you can press buttons to make something work and it will do the same thing every time because it understands a very special computer language Some ways in which I can put information online. 	<ul style="list-style-type: none"> Explore a range of technology used by my family/in my community Use a simple app (e.g. SketchesSchool) to present my ideas in digital drawing. Get help from an adult if something on the internet worries me Give clear instructions to make a rabbit run around a grid to collect a carrot (computational thinking) Work with others. Describe ways in which some people may be unkind online. 	<ul style="list-style-type: none"> How to stay safe online (autumn). Using an iPad to take a photo (autumn) Ways in which the internet can be used to communicate (autumn)

<p>Vocabulary:</p> <p>Algorithm: a precise set of ordered steps that can be followed by a human or a computer to achieve a task. App: A computer programme on a phone, tablet or watch Command: a single instruction that can be used in a program to control a computer. Digital art: Art that is made using technology Internet: a global computer network that gives information and communication Program: a set of ordered commands that can be run by a computer to complete a task. Photograph: is a picture made using a camera, printed or stored digitally.</p> <p>[N.B. Children to be exposed to vocabulary but no expectation to use as per skills progression]</p>	<p>Images:</p> 
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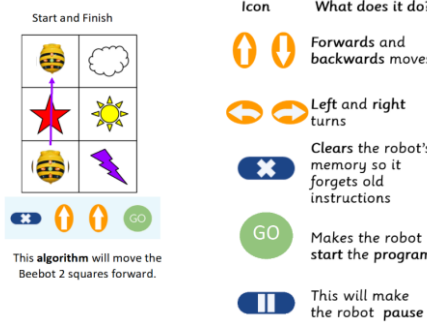
Summer 1 Programming (Programming A - Moving a robot (Beebots)) & Online Safety (Project Evolve - Privacy & Security, Copyright & Ownership)

Knowledge <i>I know...</i>	Skills <i>I can...</i>	Links back to <i>I remember...</i>
<ul style="list-style-type: none"> • What given commands will do • Some words that can be enacted • How to run my program • There may be more than one solution to a problem • How to debug my program • A program is a set of commands that a computer can run. • That work I create belongs to me. 	<ul style="list-style-type: none"> • Predict the outcome of a command or sequence (using up to 4 commands including forwards, backwards, left and right) • Follow an instruction • Give clear instructions • Combine 4 directional commands (eg.forwards, backwards, left right) to make a sequence • Plan a simple program • Debug my program • Create more than one program to achieve a task • identify some simple examples of personal information and describe who I can share this with e.g. name, address, birthday, age, location. 	<ul style="list-style-type: none"> • Giving clear instructions to make a rabbit run around a grid to collect a carrot (Spring)

Vocabulary: **Images:**

Algorithm: a precise set of ordered steps that can be followed by a human or a computer to achieve a task.
Code: The commands a computer can run.
Command: a single instruction that can be used in a program to control a computer.
Debugging: finding and fixing a problem with a program.
Predict: to have a logical guess.
Program: a set of ordered commands that can be run by a computer to complete a task.
Run: to action the commands in a program.
Sequence: the order in which commands are performed to achieve a task.

[N.B. Children to be exposed to vocabulary but no expectation to use as per skills progression]



Start and Finish

This algorithm will move the Beebot 2 squares forward.

Icon	What does it do?
	Forwards and backwards moves
	Left and right turns
	Clears the robot's memory so it forgets old instructions
	Makes the robot start the program
	This will make the robot pause