


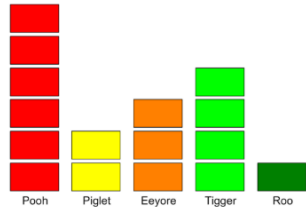
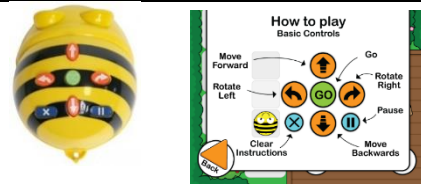


Autumn 2 Digital art, e-safety and programming

Knowledge I <i>know</i> ...	Skills I <i>can</i> ...	Links back to I <i>remember</i> ...
<ul style="list-style-type: none"> Using kiddle (with a grown up) is a safe way to search To speak to a grown up if I see something scary online That is important to stay safe when using the internet, computers and iPads An algorithm is a precise set of ordered steps that can be followed by a human or a computer to achieve a task. A program is a set of ordered commands that can be run by a computer to complete a task. J2data Turtle is used to make pathways or pictures Digital art is a type of art made using technology Pictograms and block diagrams can be used to present data Pictograms and block diagrams help to answer questions 	<ul style="list-style-type: none"> Search safely online using kiddle Talk about scary things I see online Get help from an adult if something online is worrying me Create a program using a set of commands in order Make pathways and pictures using j2data turtle Select colours, sizes and shapes using an iPad Talk about how I used digital art to create a picture (sunflower) Ask/answer simple questions Create a class/group pictogram and block diagram using 2 graph Look at a pictogram/block diagram & count the number of objects/sort the groups 	<ul style="list-style-type: none"> My teachers using kiddle to search online Kiddle is an online tool to research information Using iPads and the internet Programming beebots to move around a map
Vocabulary: J2data turtle: a program used to make pathways/pictures J2data chart: a program used to create graphs Algorithm: a precise set of ordered steps that can be followed by a human or a computer to achieve a task. Command: a single instruction that can be used in a program to control a computer. Digital art: a type of art made using technology Kiddle: an online search engine for children Internet: a global computer network that gives information and communication Online: when the computer is connected to the internet Program: a set of ordered commands that can be run by a computer to complete a task. Pictogram: a chart using pictures to Block diagram: simple chart which presents units of data with blocks Data: a collection of information		Images:    

Spring 1 Simple programming and debugging of Beebot, digital photography

Knowledge I <i>know</i> ...	Skills I <i>can</i> ...	Links back to I <i>remember</i> ...
<ul style="list-style-type: none"> Beebots are a robot An algorithm is a precise set of ordered steps that can be followed by a human or a computer to achieve a task. You can press buttons to make an algorithm A program is a set of ordered commands that can be run by a computer (Beebot) to complete a task. Debugging is finding and fixing a problem. A photograph is a picture made using a camera. 	<ul style="list-style-type: none"> Think of an algorithm Create a (simple) program using a Beebot. Debug (simple) programs on a Beebot. Take a photograph with a camera 	<ul style="list-style-type: none"> Using J2data chart to show my learning in a graph Using an iPad/laptop to make a class graph Searching safely online using Kiddle How to stay safe online Using an iPad Facetiming and sending an email on our KIT day

Vocabulary:	Images:
<p>Algorithm: a precise set of ordered steps that can be followed by a human or a computer to achieve a task.</p> <p>Beebot: a programmable robot</p> <p>Command: a single instruction that can be used in a program to control a computer.</p> <p>Debugging: finding and fixing a problem with a program.</p> <p>Program: a set of ordered commands that can be run by a computer to complete a task.</p> <p>Photograph: is a picture made using a camera, printed or stored digitally.</p>	

Summer 1 Predicting behaviour of Beebots, audio, film making, e-safety

Knowledge <i>I know...</i>	Skills <i>I can...</i>	Links back to <i>I remember...</i>
<ul style="list-style-type: none"> A beebot works better on different surfaces A beebot will slow down or speed up on slopes How to measure how far a beebot travels (non-standard units) Ipads have different apps to record images and sounds An audio recording has sound and not images A video recording combines moving images and sounds The internet can sometimes be unsafe To follow our HIS Golden Rules when using all electronic devices 	<ul style="list-style-type: none"> Predict how far the Beebot will travel (non-standard units) Predict which surface is best for a beebot Predict what will happen to a beebot when programmed to go up a slope Listen to sounds on different forms of technology (e.g.audiobooks and websites) Use the camera app on an iPad to record a friend retelling a story (film making) Use the voice memo app to record my voice (audio) Identify risks when online Use an iPad safely and respectfully 	<ul style="list-style-type: none"> An algorithm is a precise set of ordered steps that can be followed by a human or a computer to achieve a task. A program is a set of ordered commands that can be run by a computer to complete a task. Debugging is finding and fixing a problem. How to use a camera to take a photo Emails are used to send a message Our HIS Golden Rules for staying safe online Who to ask for help if I am worried I see/receive online Sending a message through a class email.

Vocabulary:	Images:
<p>Audio: sound when recorded</p> <p>App: computer program on a tablet, phone or watch</p> <p>Beebot: a programmable robot</p> <p>Command: a single instruction that can be used in a program to control a computer.</p> <p>Internet: global computer network that gives information and communication</p> <p>Predict: say or estimate what will might happen</p> <p>Program: a set of ordered commands that can be run by a computer to complete a task.</p> <p>Record: to store sounds or moving pictures using electronic equipment</p> <p>Video: recording of moving images</p>	

Progress is **knowing more** (knowledge), **remembering more** (links back to), **being able to do more** (skills)