

Y1/2	Computing areas	Autumn Term	Spring Term	Summer Term
<b>Computer Science</b>	<p><b>Programming</b> Algorithms, Sequencing beebots / Roamers/ Probots</p>	<p><b>L.O: To program bee bots</b></p> <p>Remote Control cars / Beebots - making them move from place to place</p> <p>LA/MA – forwards and backwards HA – Forwards, backwards and left and right</p> <p><b>Y2 Challenge – begin to write instructions</b></p>	<p><b>L.O: To sequence events and make algorithms</b></p> <p>Introduce Algorithms with ordering pictures / sentences activity LA- ordering pictures MA/HA- ordering sentences</p> <p>Using remote control cars / Beebots- recording algorithm (route the bee bot took) using arrows</p> <p>LA- use instructions to make a route with a bee bot HA- make own route and record instruction using arrow cards</p> <p><b>Y2 Challenge- Scratch Junior App</b></p> <p><b>APPS</b> Kodable app Daisy the Dinosaur IPADS Bluebot app - 1<sup>st</sup> level step by step</p>	<p><b>L.O: To debug an algorithm</b></p> <p>LA/MA — given incorrect bee bot route- what was wrong? How can you correct it?</p> <p>HA Bee Bots – plan a route for the Bee bot in certain amount of movements- debug algorithm if bee bot doesn't get there</p> <p><b>Y2 Challenge- predict and debug activity</b></p>
<b>Digital Literacy</b>	<p><b>Digital Literacy &amp; Citizenship</b> (Research) SWGFL scheme of work</p> <p>Online Communication and E-Safety, DLG, Blogging, E-mail)</p>	<p><b>Going Places Safely</b> Pupils learn that they can go to exciting places online, but they need to follow certain rules to remain safe</p> <p><a href="http://www.childnet.com/resources/smartie-the-penguin">http://www.childnet.com/resources/smartie-the-penguin</a></p> <p><b>Keep it Private</b> Pupils learn that many websites ask for information that is private and discuss how to responsibly handle such requests</p> <p><a href="http://www.kidsmart.org.uk/teachers/">http://www.kidsmart.org.uk/teachers/</a></p> <p><a href="#">Clicky's Online Safety Rap</a></p>	<p><b>Lee &amp; Kim</b></p> <p><a href="http://www.thinkuknow.co.uk">www.thinkuknow.co.uk</a></p> <p>( see lesson plans – staff shared )</p> <p>Who are we talking to ?</p> <p><b>Book – Chicken Clicking</b></p> <p><b>E-SAFETY WEEK</b></p>	<p><b>Searching</b> Pupils search for pictures online by clicking on letters of the alphabet. They learn that directory sites with alphabetical listings offer one way to find things on the Internet Researching ladybirds / Minibeasts</p> <p><a href="#">Swiggle – safe search engine</a> <a href="#">Ask Jeeves for Kids</a></p>

IT

<p><b>Communication Publishing and collaborating</b> (Multimedia Word Processing)</p>	<p><b>L.O: To learn how to log in</b></p> <p>Provide children with variety of apps to log in to LA/MA- order pictures of steps for logging in HA- create pic collage for steps for logging in</p> <p><b>Y2 Challenge- write instructions on how to log in</b></p>	<p><b>L.O: to learn word processing skills</b></p> <p>Use J2E Write to improve keyboard / typing skills</p> <p>LA/MA- provided with template to continue HA- complete own piece of writing</p> <p><b>Y2 Challenge- key notes presentation</b></p>	<p><b>L.O: To create multimedia presentation</b></p> <p>IPAD – <b>Book Creator app</b> – create a talking book Add text / pictures record sound Differentiated by outcome</p> <p><b>Y2 Challenge- more complex book</b></p>
<p>Digital video Video &amp; Animation Music / Sound</p>	<p><b>L.O: To explore videos</b></p> <p>Talk to the video about yourself - IPAD Message for Santa - video - IPAD</p> <p><b>CROSS CURRICULAR</b></p>		<p><b>L.O: To create a digital video</b></p> <p>Role Play and record</p> <p><b>CROSS CURRICULAR</b></p>
<p><b>Digital Imagery</b> (Graphics &amp; digital cameras)</p>	<p><b>L.O: To explore digital imagery</b></p> <p>Brushes app or J2E paint IPAD Brushes</p> <p><b>CROSS CURRICULAR</b></p>	<p><b>L.O: To apply understanding of digital imagery</b></p> <p>Pic collage presentation Google Earth activity</p> <p><b>CROSS CURRICULAR</b></p>	
<p><b>Handling Information</b> (Database)</p>			<p><b>L.O: to create a database</b></p> <p>J2E - Pictogram</p> <p><b>CROSS CURRIUCULAR</b></p>

