



Puttenham C of E Infant School. Progression in Computing

	Reception	Year 1	Year 2
E- safety and E-Sense	<p>To understand that they must ask permission to use devices.</p> <p>To tell an adult if they see something unexpected or worrying.</p> <p>To know that they must be near an adult when using technology.</p> <p>Termly discrete e-safety lessons</p>	<p>Pupils will be taught to use technology safely and respectfully by:</p> <ul style="list-style-type: none"> • knowing what personal information is; • keeping their personal information to themselves; • telling an adult if they see something unexpected or worrying online; • explaining e-safety rules; • being kind and respectful; • listening to instructions; • following the rules. <p>To make e-safety posters</p> <p>Termly discrete e-safety lessons - Digi-duck (safety)</p>	<p>Pupils will be taught to use technology safely and respectfully by:</p> <ul style="list-style-type: none"> • explaining why it is important to keep their personal information private including name, address, password etc; • identifying where to go for help and support when they have concerns about what they have seen online; • recognising that they must only use websites and games appropriate for their age; • understanding the importance of filters both at home and at school; • asking an adult before downloading files and games from the internet; • limiting the amount of time spent on the computer. <p>Termly discrete e-safety lessons – CEOPs videos, Digi-duck.</p>
Data handling	<p>To understand how you can use a program to collect information such as a pictogram (Purple Mash), camera and talk buttons.</p> <p>To sort, move items, objects or photographs.</p>	<p>To talk about the different ways in which information can be shown.</p> <p>To use technology safely to collect information, including photos, video and sound. (chatterpix, puppet pals)</p> <p>To sort different kinds of information and present it to others.</p> <p>To add information to a pictograph and talk about what I have found out.</p>	<p>To explain the different ways to use technology to collect information, including apps, programs, camera, dictaphone, microphone etc.</p> <p>To make and save a chart or graph using the data they collect (Purple Mash).</p> <p>To explain what kind of information they could use to help investigate a question (link with maths and topic).</p>
Programming	<p>To know how to use an iPad with care.</p> <p>Begin to understand how to switch an iPad on and how to touch icons to select.</p> <p>Program toys to make them work e.g. remote control car, beebots etc</p>	<p>To understand what algorithms are;</p> <p>To know how to follow precise instructions.</p> <p>To give precise instructions to a friend to move around (link to PE).</p> <p>To input a simple set of instructions into a programmable devise or coding program.</p>	<p>To explain what an algorithm is.</p> <p>To give more complex instructions to their friend e.g. half turn, quarter turn, forward etc.</p> <p>To explain the order that is needed to do things to make something happen.</p> <p>To program a Beebot to do a particular task.</p>



Puttenham C of E Infant School.

Progression in Computing

		<p>To talk about what they can see.</p> <p>To use the word 'debug' when they have made a mistake.</p> <p>To use sequencing cards, codapillar, Beebots and Purple Mash coding (year 1).</p>	<p>To use program/app to create algorithms such as scratch junior, lightbot and Purple Mash (y2).</p> <p>To use logical reasoning to predict the behaviour of simple programs.</p> <p>To debug a program by trying different instructions.</p> <p>To write/input, test and debug an algorithm</p> <p>To explain their learning.</p>
Multi-media	<p>To know how to use a camera to take a photo.</p> <p>To know how to use an iPad (switching it on and accessing an app).</p> <p>To understand that you can use different programs for different reasons e.g. paint, record voices etc.</p> <p>To listen to music and know how to select stop.</p> <p>Explore purple mash and espresso and the interactive whiteboard tools.</p>	<p>Use different apps and tools to present their work.</p> <p>To know how to take photos, save and edit them.</p> <p>To use the paint program on Purple Mash to make a self-portrait and firework picture.</p> <p>To know how to save, print and retrieve work.</p> <p>To use QR codes to access websites.</p>	<p>To use technology to organise their learning by choosing different tools, apps etc.</p> <p>To begin to know the different app tools, to know how to use a keyboard,</p> <p>To save, print and open a document.</p> <p>To use QR codes to access websites.</p>
Technology in our lives	<p>To recognise that a range of technology is used in places such as homes and schools.</p> <p>To know that we can use technology to store and retrieve information i.e. photo.</p> <p>To know that technology is useful e.g. to gain information and learn e.g. RWI eBook (link with literacy).</p>	<p>To name the different ways we use technology both at home, in school and in the community.</p> <p>To use a range of iPad apps.</p> <p>To know how we can get information e.g. espresso, iPad and Purple Mash etc.</p> <p>Begin to talk about the benefits of using technology.</p>	<p>To explain how we use technology at home and at school.</p> <p>To explain why technology is important and the benefits e.g. finding information, storing information, creating and for pleasure.</p> <p>Login for Purple Mash and to use eBooks.</p> <p>To know how to operate the stereo for assemblies.</p>