



Progression Map: Computing



KS1	EYFS	Year 1	Year 2
<p>Algorithms & Programming Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions.</p> <p>Create and de-bug simple programs.</p> <p>Use logical reasoning to predict the behaviour of simple programs.</p>	<p>Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions. Create and de-bug simple programs.</p> <p>*I can follow simple oral instructions and I can sequence simple familiar tasks *I can input a simple sequence of commands to control a digital device with support (Bee Bot)</p>	<p>*Understand what algorithms (instructions) are and how they are implemented on digital devices Task - Create a set of hand written instructions (an algorithm) and understand the need to change the algorithm if the instruction does not work first time. De bugging.</p> <p>*Create and de-bug simple programs</p>	<p>*Understand that algorithms are implemented as programs on digital devices. I-Pad work Daisy Dinosaur, Coding Safari - Scratch Jnr,</p> <p>*Understand that programs execute by following precise and unambiguous instructions. Use longer algorithms, forwards, backwards, left and right turns, predict and de-bug.</p> <p>*Create and de-bug simple programs</p> <p>*Use logical reasoning to predict the behaviour of simple programs.</p> <p>Task - BeeBot to follow a given path around the floor</p>
<p>Information Technology Use technology purposefully to create, organise, store, manipulate and retrieve digital content.</p> <p>Recognise common uses of information technology beyond school.</p>	<p>*Use technology purposefully to create, store and retrieve digital content. *Know the difference between a photograph and a video, use iPads to take a photo or video. *I can dictate short, clear sentences into a digital device. *I can select a photo or film to play back Recognise common uses of information Technology beyond school. *I can play on a touch screen game and use computers/key boards/mouse/mobile devices in role play. * During topic lessons recognise information technology used in the real world.</p>	<p>*Use technology purposefully to create digital content *Use technology purposefully to store digital content *Use technology purposefully to retrieve digital content</p>	<p>*Use technology purposefully to organise digital content *Use technology purposefully to manipulate digital content *Recognise common uses of information technology beyond school.</p> <p>*Book creator iPad, insert text, format font, size and colour, insert image and manipulate to suit task</p>

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<p>Digital Literacy/E-Safety Use technology safely and respectfully keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</p>	<p>E-Safety *Use technology safely and respectfully *To understand they should ask permission when capturing an image or a recording a sound of others (Digiduck stories) *I can talk about how I use the internet to find things out. *I can identify rules that help keep us safe and healthy in and beyond the home when using technology. *Keeping personal information private; *I can identify some simple examples of my personal information (e.g name, address, birthday, age, location) *I can describe the people I trust and can share this information with.</p> <p>*identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. *I can recognise that I can say no/please stop/I'll tell/I'll ask to somebody who asks me to do something that makes me feel sad, embarrassed or upset. (Smarty Penguin)</p>	<p>*Use technology safely and respectfully *Keep personal information private *Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</p> <p>*Core skills, how can we stay safe using the internet focus on school network passwords and tablets, know how to stay safe online *Keep passwords safe *Log on /Log off *Open a blank Docs and type own name *Retrieve saved work</p> <p>E-Safety *Going places safely *Keep it private/My work</p>	<p>*Use technology safely and respectfully *Keep personal information private *Identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.</p> <p>*Typing skills, open & save documents, recognise and use icons, create folders</p> <p>E-Safety *Safe online/follow digital trail *Screen out the mean words *Sites I like</p>