



## Computing Progression of Knowledge

	Digital Literacy	Information Technology	Computer Science
<b>EYFS</b>	<ul style="list-style-type: none"> <li>A range of technology is used in places such as homes and schools including TV's, phones and computers. They can be used for particular purposes such as texting, watching or listening to.</li> </ul>	<ul style="list-style-type: none"> <li>Internet sites such as Google can be used to search for information. This can be done by typing or voice recognition.</li> <li>Computers have different programmes such as word processing software to write or image software such as paint or draw. These can be used for different purposes such as drawing a picture or writing a letter or email.</li> </ul>	<ul style="list-style-type: none"> <li>Technological toys such as BBots can move when given a set of commands by pressing buttons.</li> </ul>
<b>Vocabulary</b>	on, off, moving, sound, switch, backwards, forward, instruction, buttons, collect, command, computer, count, equipment, keyboard, keys, monitor, mouse, movement, organise, phone, camera, remote, type, choices, create, internet, information, share, technology, website		
<b>Year 1</b>	<ul style="list-style-type: none"> <li>Digital technology is used in all parts of everyday life, such as on a tablet to play a game or using a microwave to heat food. Some of this digital technology can be used to connect with others locally, such as sharing digital work in the classroom, or globally, such as using Skype on a computer to speak to a friend overseas.</li> <li>Digital World Software available online, such as email, social media platforms or blogs, can be made by individuals to communicate their ideas.</li> </ul>	<ul style="list-style-type: none"> <li>To search for digital content, the user needs to know the file name, file type and folder name or keywords and search terms to Find the correct information.</li> <li>When work is saved electronically, it can be stored on a hard drive, a shared drive called a server or online so that it can be opened on the same device or another device at a later time.</li> <li>Software is the programs that are used by a computer, such as word processing software, presentation software or image editing software. It can be used to create and combine digital content for different audiences and purposes.</li> </ul>	<ul style="list-style-type: none"> <li>An algorithm is a sequence of steps, instructions or rules that is used to perform a specific task.</li> <li>Algorithms can be followed by people or digital equipment.</li> <li>For algorithms to achieve the end goal, instructions have to be accurate and followed sequentially.</li> <li>Mistakes are called bugs and finding and fixing them is called debugging.</li> </ul>

<b>vocabulary</b>	action, algorithm, arrow, background, input, challenge, code, criteria, debug, direction, event, left, turn, object, output, program, rewind, right turn, run, sort, sound, undo, <i>When Clicked</i> , arrow, keys, backspace key, cursor, cell, tool, cells, clipart, collate, columns, count, tool, data, delete key, image, toolbox, lock, tool, pictogram, rows, speak tool, spreadsheet, animation, avatar, display board, E-book, file, font, password		
<b>Year 2</b>	<ul style="list-style-type: none"> <li>• Digital technology is used in all parts of everyday life, such as on a tablet to play a game or using a microwave to heat food. Some of this digital technology can be used to connect with others locally, such as sharing digital work in the classroom, or globally, such as using Skype on a computer to speak to a friend overseas.</li> <li>• Software available online, such as email, social media platforms or blogs, can be made by individuals to communicate their ideas.</li> <li>• A device is online if it is connected to the internet or a network and can communicate with other devices.</li> <li>• A device is offline if it is not connected to the internet or network and cannot connect to other devices.</li> <li>• When work is saved electronically, it needs to have a name that identifies it and is easily remembered.</li> </ul>	<ul style="list-style-type: none"> <li>• A device is online if it is connected to the internet or a network and can communicate with other devices. A device is offline if it is not connected to the internet or network and cannot connect to other devices.</li> <li>• Devices can be linked in different ways, such as through a network, the internet and Bluetooth. This allows the sharing of resources.</li> <li>• Multimedia components, such as text, images, audio and video clips, can be created, edited and combined to create content for a range of tasks.</li> </ul>	<ul style="list-style-type: none"> <li>• An algorithm is a sequence of steps, instructions or rules that is used to perform a specific task.</li> <li>• Algorithms can be followed by people or digital equipment.</li> <li>• For algorithms to achieve the end goal, instructions have to be accurate and followed sequentially.</li> <li>• Mistakes are called bugs and finding and fixing them is called debugging.</li> </ul>
<b>Vocabulary</b>	detected, design, mode, key, nesting, predict, sequence, test, text, timer, execute, properties, scene, animated, avatar, binary tree, copy and paste, database, equal, tool lock, tool, presentation, question, soundtrack, space bar, attachment, digital footprint, email, internet browser, network, search engine, wireless, WWW		