



British and School Values				Basic Skills (Reading & Communication)	Personal Development Positive mental and physical well being	Wonderful Words (Vocabulary & Quality Texts)	Memorable Experiences
respect	caring	safety	best				

Key Substantive “sticky” Knowledge I know...	Key Disciplinary Knowledge & Skills I can...
<ul style="list-style-type: none"> <li>-Examples of what is personal data and what is not.</li> <li>-What information should not be shared online and what is okay to share.</li> <li>-That an algorithm is a set of instructions.</li> <li>-That we control computers by giving them instructions.</li> <li>-Key symbols in computing: open, save, print, close etc.</li> </ul>	<ul style="list-style-type: none"> <li>-Use online tools safely</li> <li>-Explore programmable toys.</li> <li>- Give precise instructions.</li> <li>-Programme a floor robot.</li> <li>-Begin to guess the behaviour of programmable toys.</li> <li>-Log in and out of a laptop confidently.</li> <li>-Develop mouse skills using a trackpad.</li> <li>-Confidently locate and close a programme.</li> <li>-Use an iPad independently.</li> </ul>

Learning Sequence			
	Substantive knowledge	Disciplinary knowledge	Activity
1	Know what is personal data and what is not.	To know what to do to protect themselves online.	What information should we reveal/not reveal. Use examples of online games they may play. Role play different scenarios.
2	To know what is safe and unsafe online. To know how to ask for help if they ever feel unsafe.	To name safe adults they can go to for help.	Who is a safe adult to ask for help if they are worried?
3	Know that an algorithm is a set of instructions.	Give precise instructions.	Model giving incorrect instructions to locate something/get somewhere. Children identify mistakes and formulate correct instructions.
4	Know that we control computers by giving them instructions.	Programme a floor robot. Begin to guess the behaviour of programmable toys.	Model programming a beebot to get to a defined location. Model debugging and using prior knowledge to re-programme. Give opportunities for children to get a beebot to given locations.
5	Know that we control computers by giving them instructions.	Use an iPad independently.	Use beebot programme on ipads .
6	Know key symbols in computing: open, save, print, close etc.	Log in and out of a laptop. Develop mouse skills using a track pad.	Create an image using simple paint programme. Save it to folder. Open it and print.

Prior Knowledge I remember ....	Wonderful Words Key Vocabulary		Planned Experiences and Enrichment
<ul style="list-style-type: none"> <li>-How to keep safe online.</li> <li>-Logging in and out of a school laptop</li> <li>-Locating a programme by clicking on it.</li> <li>-Using a mouse.</li> <li>-Using different programmes.</li> </ul>	Known Vocabulary	New Vocabulary	<p>*Internet Safety Day – 11<sup>th</sup> Feb 25*</p> <p>Floor robots for the children to explore*</p>
	<p><b>Log in:</b> Using a username and password to access a system.</p> <p><b>Username:</b> A name that is used by a person to access an online site.</p> <p><b>Password:</b> Letters, numbers and characters that is entered to access a site.</p> <p><b>Log off:</b> Leaving a computer system.</p> <p><b>Save:</b> Store your work so that it can be opened again later.</p> <p><b>Hardware:</b> Names of the parts of a computer that we can see and touch.</p> <p><b>Monitor:</b> Computer screen</p>	<p><b>Algorithm:</b> A set of specific step by step instructions to carry out a task.</p> <p><b>Instruction:</b> Detailed information about how something should be done or operated.</p> <p><b>Robot:</b> a machine capable of carrying out a series of actions.</p> <p><b>Online tools:</b> Digital platforms to allow users to perform various tasks.</p>	