



Caring, Successful,
Happy Learners

Learning Organiser **Computing**

Year 2
Spring Term

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...
<p>The common uses of IT in the wider world eg. supermarkets etc. and give examples of.</p> <p>To be able to given examples of ways to feel safe online.</p> <p>We control computers by giving them simple instructions (algorithm).</p> <p>The importance of the order of instructions in an algorithm.</p> <p>Digital content can be produced in different ways / programmes. Some ways are more suited to others.</p>	<p>Keep safe when playing games on line</p> <p>Create on simple algorithm (using either a floor robot or a coding programme).</p> <p>Predict the outcome of a simple algorithm or program</p> <p>Debug an error in a simple algorithm or program e.g. for a floor robot with support</p> <p>Create simple digital content for a clear purpose (text / images / sound / graph / animation etc.)</p> <p>Begin to use software to assemble digital content.</p>

Learning Sequence			
	Substantive knowledge	Disciplinary knowledge objective	Activity
1	Common uses of IT in the wider world eg. supermarkets etc. and give examples of.	Name technological applications in the wider world.	Discussion about where technology is used in the wider world.
2	Digital content can be produced in different ways / programmes. Some ways are more suited to others.	Create simple digital content for a clear purpose (text / images / sound / graph / animation etc.) Begin to use software to assemble digital content.	Use 2 simplestory (ipad) to create a simple story – text and images Add animation and save.
3	To be able to given examples of ways to feel safe online.	Know how to keep safe when playing games on line	Recap prior knowledge of how to keep safe on the internet. Discuss this with application to online chat rooms that are part of games some may play. Add the information to a poster.
4	We control computers by giving them simple instructions (algorithm). The importance of the order of instructions in an algorithm.	To use an algorithm to programme a digital device.	Test and amend a set of instructions (debug)
		To create simple programs.	Know left/right/forward/back to create written instructions.
		Predict the outcome of a simple algorithm or program. Debug an error in a simple algorithm or program e.g. for a floor robot with support	Use ICT (Alex) to write and debug programs.

Prior Knowledge I remember	Wonderful Words Key Vocabulary		Planned Experiences and Enrichment
<p>-The importance of internet safety & how I can keep safe.</p> <p>-Creating and debugging unplugged algorithms.</p> <p>-Simple icons on an iPad / laptop.</p> <p>-Saving, printing and opening work on a laptop / iPad.</p>	Known Vocabulary	New Vocabulary	<p>*Internet Safety Day – 11th Feb*</p> <p>-Using beebots / iPad coding apps</p> <p>iPad coding apps: Scratch. Kodable, Daisy the Dinosaur, Tynker.</p>
	<p>Log in Username Password</p> <p>Log off Save Hardware</p> <p>Monitor Code Coding</p> <p>Algorithm Debugging</p> <p>Programme</p> <p>Mouse / trackpad</p> <p>Internet Technology</p> <p>Website Safe</p> <p>Choice Share</p> <p>Unplugged: An activity that doesn't use technology.</p> <p>Loop: To repeat an instruction / a series of instructions</p>	<p>Event: Code that runs when something happens, such as a button being clicked.</p> <p>Execute: Run code on a computer precisely to make a programme.</p> <p>Object: An item on screen, such as an image, button or text</p> <p>Template</p> <p>Animation</p> <p>Type</p> <p>Enter/ return</p> <p>Caps Lock</p> <p>Backspace</p> <p>Cyber- bullying</p>	