



Caring, Successful,
Happy Learners

Learning Organiser **Computing: Year 1**

Exploring the Wider World.

Summer 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 internet is not always safe and to keep safe you need to follow basic rules</p> <p>Not to give away any personal information online</p> <p>That some things are private and the importance of respecting privacy: including that parts of the body covered by underwear are private</p> <p>What to do if I feel unsafe or worried for myself or others: who to ask for help and words to use when asking for help</p> <p>We have to programme computers to do things. Instructions need to be clear. Errors can be fixed, this is called debugging.</p> <p>Technology can be used to create digital content. Digital content can be text, a photograph, video, graph, sound clip, animation etc. Different types of digital content have different pros and cons.</p>	<p>Explore coding apps, such as ALEX.</p> <p>Begin to understand how to correct errors in coding.</p> <p>Use vocabulary associated with coding: algorithm, bug, debug, code.</p> <p>Create digital content (paint a picture, take a photograph / video, write text etc....)</p> <p>Explore how I can edit / change digital content.</p>

Learning Sequence			
	Substantive knowledge	Disciplinary knowledge objective	Activity
1	Know what is personal data and what is not.	To know what to do to protect themselves online. To name safe adults they can go to for help.	Recall what information should we reveal/not reveal. Use examples of online games they may play. Role play different scenarios. Reinforce the message STOP, CLOSE, TELL. Who is a safe adult to ask for help if they are worried?
2	To know what is safe and unsafe online. To know how to ask for help if they ever feel unsafe.		
3	Know that we have to programme computers to do things. Instructions need to be clear. Errors can be fixed, this is called debugging.	Give precise instructions. Use an iPad independently.	Recall 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.
4	Know that we control computers by giving them instructions.		Use beebot programme on ipads .
5			Use ALEX programme on ipads.
6	Technology can be used to create digital content. Digital content can be text, a photograph, video, graph, sound clip, animation etc.	Know how to create digital content (paint a picture, take a photograph / video, write text etc....) Know how to edit / change digital content.	Take photos of different parts of trees. Save images to server.
7	Different types of digital content have different pros and cons.		Retrieve images and collage images. Add labels to images.
8			Model editing text/ size of images etc.

Prior Knowledge I remember	Wonderful Words Key Vocabulary		Planned Experiences and Enrichment
<p>-How to keep safe online. -Our school rules for keeping safe online.</p> <p>-What an algorithm is. -Using programmable toys.</p> <p>-How to log in and out of a laptop. -Use a mouse confidently. -Use an iPad independently.</p>	Known Vocabulary	New Vocabulary	
	<p>Log in: Using a username and password to access a system. Username: A name that is used by a person to access an online site. Password: Letters, numbers and characters that is entered to access a site. Log off: Leaving a computer system. Save: Store your work so that it can be opened again later. Hardware: Names of the parts of a computer that we can see and touch. Monitor: Computer screen Algorithm: A set of specific step by step instructions to carry out a task. Instruction: Detailed information about how something should be done or operated. Robot: a machine capable of carrying out a series of actions. Online tools: Digital platforms to allow users to perform various tasks.</p>	<p>Debugging: Finding and correcting mistakes (bugs) in code. Rules: Something to follow to keep safe. Video Sound Image Space bar</p>	