

COMPUTING Curriculum Progression at Merebrook Infant School

Essential Learning Objective	EYFS			Year 1			Year 2		
	Knowledge	Skills	Key Vocabulary	Knowledge	Skills	Key Vocabulary	Knowledge	Skills	Key Vocabulary
To code	Which toys are electronic.	To use a range of electronic toys in play situations (Beebots, remote control toys, toy tills, scanners, microwave).	on off button switch	An algorithm is a set of instructions to complete a task. Algorithms can be carried out by humans and computers.	To create simple commands for someone to follow specifying steps to travel and direction forward/back/turn/right/left).	forward back right left turn command algorithm	An algorithm written for a computer is called a program. An algorithm requires precise commands.	To create an algorithm for someone to follow specifying angle of turn (quarter/half/three quarter turn).	half quarter three quarter angle command algorithm
	If I press a button/switch something may happen.	To respond to simple cause and effect devices e.g. push a button to hear a sound.	on off button switch move sound light keyboard key	An algorithm requires precise commands.	Create a series of simple commands for a programmable Beebot to follow (forward, back, left, right, turn)		Commands affect algorithms.	Create an algorithm for a Beebot/screen turtle/2Go to follow specifying angle of turn (quarter/half/three quarter turn) to a given place/along a route/shape.	
	I can talk about what I think will happen.	Predict events in stories and real life situations.	predict 'I think...'	The possible commands that can be used.	Predict what the outcome of a simple set of commands will be. Use knowledge of commands to help make a prediction.	predict	Debug means checking algorithm to ensure it works, and changing it if it does not.	Test and amend an algorithm (debug)	debug test edit
To connect	How use the mouse/mouse pad accurately.	To use a shortcut to navigate to a specific website. To click with a press of the button/tap.	website click shortcut icon double click mouse	To click the mouse on the correct button/link for the link to work (accuracy).	To use a shortcut or favourite button to navigate to a specific website. To explore a website using buttons, menus and links. Use the back button.	shortcut favourite back button website link	Each website has a unique address.	Navigate a website via favourites and typing in a web address. Pupils should not search the internet unless under supervision and the adult had previously performed the search.	web address address bar website
	I can use the internet to learn.	With support, use a website to locate and image/piece of information.	scroll	I can use the internet to find out about specific information.	Read words, look at pictures and watch videos on a website to find information. To talk about the information found on a website.	information website pictures links video	Not all information found on the internet will be accurate or useful.	Use a search engine to find facts using key word search. Identify which information is/is not useful.	search engine keyword accurate true false
	To know a trusted adult to tell.	To tell an adult if I see something inappropriate/upsetting/makes me feel funny.	I don't like... look	To tell an adult if I see something inappropriate/upsetting/makes me feel funny.	To close the lid on the laptop/turn the iPad to standby if I see something inappropriate/upsetting/makes me feel funny and report it to an adult.	I don't like...	To tell an adult if I see something inappropriate/upsetting/makes me feel funny.	Use the minimize button the screen/close the lid on the laptop/turn the iPad to standby if I see something inappropriate/upsetting/makes me feel funny and report it to an adult.	minimise button standby

	I can share ideas using technology.	To use the mouse/touch pad. To use a camera to take a digital image Use a paint program to make marks using simple tools. Use the keyboard to produce text on screen i.e. type own name.	mouse pad mouse pen/paint brush/spray tools keyboard camera letters space bar numbers back space	The cursor shows where the edit will occur. I can save my work and retrieve it at any time.	Use word processing software to write a short text. To edit work, not just start again using the mouse pad/mouse/arrow buttons/undo button. To save work. To retrieve saved work.	edit mouse pad mouse arrow buttons cursor undo save retrieve back space	I can improve my work.	To improve my work by changing/adding or removing words. Change the font, size, colour and style to change my work.	font size edit
To communicate	Right and wrong choices in everyday environment.	Talk about right and wrong choices in real life e.g. taking turns, saying kind things, helping others, telling an adult if something upsets you.	right wrong choice unkind feeling upset	What I do or say affects others	Talk about right and wrong choices in real life e.g. taking turns, saying kind things, helping others, telling an adult if something upsets you. Explain the impact of my actions on others.	right wrong choice unkind feeling upset	Messages, text, images put online leave a trail. To report to an adult if someone makes you feel upset online.	Behave respectfully online.	online
	Not to communicate with unsafe strangers.	Identify safe adults to talk to. Identify safe stranger adults i.e. police, ambulance, doctor, fire brigade.	stranger	Know what is meant by personal information (name, address, date of birth, password).	I can identify my personal information.	name date of birth personal private password	Not everyone they meet online is trustworthy. Personal information is unique to them and should not be shared without a trusted adult's permission.	I can keep my personal details private.	trusted/trustworthy share information personal private log in
								Only open an email from someone I know.	Recognise an email address. Recognise the @ sign. Contribute ideas to a class email. Use email as a communication tool.
To collect		To sort and classify by carrying out sorting activities away from the computer. To sort and classify by carrying out sorting activities away from the computer. Produce simple pictograms as part of a group with support.	sort group same different	Information can be presented in different ways.	Enter information into a simple pictogram/block graph/chart on paper and on an electronic program. Answer questions in relation to a graph pictogram/block graph/chart and what it shows.	information data pictogram block graph chart		Add information to a pictogram/block graph/chart. Collect and record data purposefully into pictogram/block graph/chart.	
								Read a branching database to answer questions.	Branching database.