

		Topics	
Devas	Bannerman	Porteous	Borton
All about me!	Cycle A	Cycle A	Cycle A
2 Paint a pictureSimple City	Online Safety	Online Safety and Coding	Online Safety and Blogging
- 2 Count	Maze Explorers and Questioning	Coding (Microbits) and Spreadsheets (Excel)	Coding (Scratch)
Let's Celebrate - Paint projects	Animated Story Books	Writing for different audiences	Spreadsheets (Excel)
 The Christmas Story Storyboard 	Making Music and Coding (Microbits)	Logo and Animation	Word Processing (Microsoft Word)
	Spreadsheets and Pictograms	Effective search and Presenting (Power Point)	Text Adventures and Networks
Polar Regions			
2 Create A storyPaint projects	Presenting Ideas (Power Point)	Hardware Investigators ad Making Music	Quizzing
	Cycle B	Cycle B	Cycle B
Growing - Plants labelling	Online Safety and Effective Searching	Online Safety and Coding (Scratch)	Coding (Microbits)
- Life cycle of a butterfly	Lego Builders and Technology outside school	Coding (Microbits) and Spreadsheets (Excel)	Online safety and Databases
London - Beebots	Grouping and sorting and Creating pictures	Touch Typing	Spreadsheets (Excel)
- 2Go	Spreadsheets	Email	Game Creator
- Fact files			
	Coding (Beebots)	Branching databases	3D Modelling
Beside the Seaside			
- Beebots	Coding (Microbits)	Simulations and Graphing	Concept Maps
- 2Go			
- 2 Count			



40-60+ months 1 know goals can be achieved by following a sequence of steps. ELG PSED; Self-Regulation: Give focused attention to what the teacher says, responding appropriately even when engaged in activity, and show an algorithm into code that the computer can understand. I know that an unexpected outcome is due to the code I have created. I can read code one line at a time and attempt to envision the overall effect of the program. I know how to debug my own code to make sure it is successful. I know how to debug my own code to make sure it is successful. I know how to debug my own code to make sure it is successful. I know how to debug my own code to make sure it is successful. I know how to debug my own code to make sure it is successful. I know how to debug my own code to make sure it is successful. I know how to plan an algorithm in to code that the computer can understand. I know that an unexpected outcome is due to the code I have created. I can read code one line at a time and attempt to envision the overall effect of it is important in coding. I know how to plan an algorithm. I know how to plan an algorithm is a set of instructions to complete a task. I know how to plan an algorithm. I know how to plan an algorithm is a set of instructions to complete a task. I know how to plan an algorithm. I know how to plan an algorithm is a set of instructions to complete a task. I know how to plan an algorithm. I know how to plan an algorithm is a set of instructions to complete a task. I know how to plan an algorithm is a set of instructions to complete a task. I know how to plan an algorithm is a set of instructions to complete a task. I know how to plan an algorithm is a set of instructions to code and use step-through methods to identify errors in code and use step-through methods to identify errors in code and use step-through methods to identify errors in code and correct them. I know the difference between the effect of a time or repeat command when creating repeating effects. I kn			Compute	er Science			
I know goals can be achieved by following a sequence of steps. I know an algorithm is a set of instructions used to complete a task. ELG PSED; Self-Regulation: Give focused attention to what the teacher says, responding appropriately even when engaged in activity, and show an algorithm into code that the computer can understand. I know an algorithm is a set of instructions to complete a task. I know how to plan an algorithm and transpose this into code that the computer can understand. I know that an unexpected of the program. I know the and unexpected of the program. I know the difference between the effect of a time or repeat command when creating repeating effects. I know how to plan an algorithm is a set of instructions to complete a task. I know how to plan an algorithm is a set of instructions to complete a task. I know how to plan an algorithm is a set of instructions to complete a task. I know how to plan an algorithm is a set of instructions to complete a task. I know how to plan an algorithm and transpose this into code. I know how to fix these errors. I know the difference between the effect of a time or repeat command when creating repeating effects. I know how to a mature transpose this into code and use step-through methods to identify or code and use step-through methods to identify errors in code and correct them. I know how to fix these difference between the effect of a time or repeat command when creating repeating effects. I know how to instructions to code and use step-through methods to identify errors in code and correct them. I know how to irread programs with several step and predict the outcome accurately. I know how to read of the outcome accurately. I know the main captered to defect of a time or repeat command when creating repeating effects. I know the wife renor is code and correct them. I know how to read or programs with several step and predict the outcome accurately. I know the mine as an predict the outcome accurately. I know the mine as a fix though	Devas Bannerman		rman	Porteous		Borton	
events and initiate actions. I know how to select them to join the internet. I know how to select the most appropriate form of online communication according to the digital	40-60+ months I know goals can be achieved by following a sequence of steps. ELG PSED; Self-Regulation: Give focused attention to what the teacher says, responding appropriately even when engaged in activity, and show an ability to follow instructions involving several	Year 1 I know an algorithm is a set of instructions used to solve a problem or achieve an objective. I know a computer program turns an algorithm into code that the computer can understand. I know that an unexpected outcome is due to the code I have created. I can read code one line at a time and attempt to envision the overall effect	Year 2 I know an algorithm is a set of instructions to complete a task. I know how to plan an algorithm and transpose this into code. I know I need to be precise with my algorithm so it will work when I turn it into code. I know what the term 'debug' means and why this is important in coding. I know how to debug my own code to make sure it is successful. I know which parts of a program respond to events and initiate	Year 3 I know an error within my program can prevent it from following the desired algorithm. I know how to fix these errors. I know the difference between the effect of a timer or repeat command when creating repeating effects. I know how variables can be used to store information while a program is executing. I can list a range of ways that the internet can be	Year 4 I know how to use user inputs and outputs such as 'print to screen.' I know how to use trace code and use step-through methods to identify errors in code and correct them. I know how to 'read' programs with several steps and predict the outcome accurately. I know the main component parts of hardware which allow computers to join and form a network. I know that network and communication components can be found in many different devices which allow them to join the	Year 5 I know the importance of computer networks and how they help solve problems and enhance communication. I know the value of computer networks. I know the main dangers that can be caused via computer networks. I know organising my code carefully will help me debug more efficiently. I know what personal information is and know strategies for keeping this safe. I know how to select the most appropriate form of online communication	Year 6 I know how to identify the important aspects of a programming task. I know the difference between the internet and the World Wide Web. I know what a WAN and LAN is and describe the process of how to access to the internet in



Instructions, forward, backwards, left, right, turn, undo, on, off	Algorithm, code, program, command, instructions, plan	Algorithm, action, sequence, debug/debugging, execute, implement, coding	Action, algorithm, bug, code, command, click event	Code block, algorithm, command, bug/de-bug, event, design, input	Algorithm, decomposition, function, input, output, simulation, variable	Decomposition, function, simulation, variable, Launch Command, procedure, x and y properties.	
		Information	Technology				
Devas	Banne	Bannerman		Porteous		Borton	
40-60+ months I know how to operate simple electronic devices. I know some key features of a computer such as a mouse and keyboard. ELG Expressive Arts and Design; Creating with materials: - Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.	Year 1 I know computers store and follow instructions. I know some technology that is used in school.	Year 2 I know computers can store, retrieve and process information. I know how different technology can help us. I know a web-page displays information in different ways.	Year 3 I know I am connecting to the internet and using a search engine when I use searches to get digital content. I know how to select the most appropriate software when given a task by my teacher.	Year 4 I know the purpose of a search engine and the main features within it. I know how to assess a selected webpage for credibility and information at a basic level.	Year 5 I know how accurate, safe and reliable the content is on a webpage.	Year 6 I know how accurate and reliable a webpage and its content is. I know how to compare a range of digital content sources and rate them in terms of quality and accuracy.	
Click, touch, type, mouse, keyboard, keys, computer, IPad, phone, camera, remote, Beebots	Computer, technology, devices	Store, retrieve, process, information, web page, online	Software, search engine, internet, digital content, results page	Balanced view, internet, reliability, results page, search engine	Personal information, reliable source, SMART rules, validity	Secure websites, reliable source, spoof	



Digital Literacy						
Devas	Bannerman		Porteous		Borton	
40-60+ months I know some technology we use to communicate. I know that I need to stay safe when using technology. I know that some information should be kept private. I know what to do if I see things that upset me online at school and at home. I know technology is used in and out of school. ELG Understanding the world; Past and Present: - Know some similarities and differences between things in the past and now, drawing on their experiences and what has been read in class. Physical, Social, Emotional Development; Self-Regulation: - Show an understanding of their own feelings	Year 1 I know what technology is. I know examples of technology both at home and at school. I know it is important to keep information, such as my username and password, private. I know technology in my environment is a mixture of old and new technology.	Year 2 I know the consequences of not searching online safety. I know what to do if unkind behaviour happens whilst I am online. I know where technology is used at school. I know my creations such as programs in 2Code, need similar skills to the adult world. I know things can be shared electronically, e.g. via display boards or emails.	Year 3 I know why it is important to have a secure password and not share it with others. I know the negative consequences of not keeping passwords safe and secure. I know more than one way to report unacceptable content and contact.	Year 4 I know the importance of online safety and understand the rules we learn at school. I know I have a right to privacy both on and offline. I know my wellbeing can be affected by how I use technology.	Year 5 I know common online safety rules. I know how to not let my mental wellbeing or others be affected by use of online technologies and services.	Year 6 I know the value of protecting my privacy and others online. I know more discreet inappropriate behaviours seen online through developing critical thinking.
and those of others. Technology, internet, information, create,	Technology, search information, username, private	Online, searching, safe searching, shared electronically	Personal information, digital footprint, blocking, opinion	Password, digital footprint, wellbeing , opinion	Responsibility, screenshot, reliable source, password	Inappropriate, secure websites, password, location sharing



Online Safety							
Devas Bannerman			Porte	eous	Borton		
40-60+ months	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
I know the internet can be safe	I know strangers use online	I know who to talk to if I	I know a range of	I know a wide range of	I know the benefits of	I know how to report a	
and unsafe.	services.	have any worries about	places/ways to report my	places/ways to report	different ways to report	concern at school and at	
		content or contact on the	concerns.	concerns	concerns.	home confidently.	
I know what to do if someone	I know some online content is	internet.				·	
makes me feel sad,	inappropriate.		I know going online in a	I know that online 'gifts'	I know it is important to ask	I know sharing images	
uncomfortable, embarrassed or		I know that strangers who	private place may be unsafe.	are not always what they	permission before taking a	can have consequences.	
upset online.	I know that damaged or	ask questions may be		seem	photo.		
	strange devices should not be	dangerous.	I know that not everything			I know some content can	
ELG	touched.	_	online is true.	I know that games and	I know what to do if I lose a	promote stereotypes.	
Physical, Social, Emotional		I know I should check with		websites can have age	device.		
Development; Self-Regulation:	I know that personal	an adult before accessing	I know what makes an	restrictions and breaking			
- Show an understanding of their	information should not be	something online.	effective password.	these can have	I know apps can collect		
own feelings and those of	shared with strangers.	_	·	consequences	data.		
others.							
				I know what a digital			
				footprint is.			
Private, kind, safe, unsafe,	Strangers, personal	Digital footprint, email,	Appropriate, personal	Malware, attachment,	Citation, bibliography,	Data analysis, digital	
online, password	information, Login, Log out,	identifying, protection,	information, reliable source,	cookies, phishing,	copyright, digital footprint,	footprint, phishing,	
	notification, private, internet	private information,	permission, VLOGs, SMART	copyright, digital	encrypt, reference	spoof, PEGI rating	
			rules	footprint, SMART rules		_	