Computing Skills Overview

EYFS	Understanding of the World – Technology Understanding the World—T 30-50 * Knows how to operate simple equipment, e.g. turns on CD player and uses remote control. * Shows an interest in technological toys with knobs or pulleys, or real objects such as cameras or mobile phones. * Shows skill in making toys work by pressing parts or lifting flaps to achieve effects such as sound, movements or new mages. * Knows that information can be retrieved from computers Understanding the World—T40-60+ *Completes a simple program on a computer. * Uses ICT hardware to interact with age-appropriate computer software. Understanding the World—T ELG * Recognises that a range of technology is used in places such as homes and schools * Selects and uses technology for particular purposes

Aspects	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Coding	I can explain that an algorithm is a step by step set of instructions	I can predict the behaviour of a programmed toy, clearly relating each action to part of an algorithm	I can produce a simple program that completes a given task	I can break programs up into smaller parts	I can write increasingly complex programs	I can combine software and hardware to solve real life problems
	I can predict the behaviour of a programmed toy	I can create a simple program to perform a task	I can explain how simple algorithms solve a given problem	I can use logical thinking to identify and solve potential bugs during coding	I can control external hardware from within my programs	I can break code up into related instructions, making debugging easier and quicker
		I can create and debug simple programs		I can use other programs as I code	I can use loops to repeat tasks within a program	I can store and retrieve variables in a program
		I can find and fix simple bugs in programs			I can use IF statements to alter the way my programs run	I can use loops, variables and IF statements to alter the way my programs run
		I can understand that programs run by following clear instructions			I can explain how increasingly complex algorithms solve a given problem	I can use logical thinking to identify and solve potential bugs during coding
Search Engines			I can use a search engine to find web pages	I understand how search engines order their search results	I can use more advanced features when searching online	I can recognise trustworthy sources of information on the internet
			I understand that not all websites are as reliable as others		I can use a range of search tools to find exactly what I'm looking for	I can use a broad range of resources online to find exactly what I'm looking for

Using Computers: Word Processing Software E-mail, Art, Music etc.	I can use a program to create a simple document	I can find, open, edit and save files I am working on	I can make choices on which program is best for a given task	I can use different software programs and different types of hardware	I can select appropriate software to use for a given task	I can use more than one piece of software to complete a task
		I can use different software programs and discuss the benefits of their usage		I can use a range of programs to complete a task	I can confidently use a range of software tools	I can design a program for a given audience
						I can use software to help me analyse and present data and information
Communication, and networks			I understand that computer networks allow data to be transferred and shared	I understand that some computers on a network serve particular functions, such as controlling printers or sharing files	I can use the internet to allow me to share data with another person	I understand how computers are able to communicate and share information
			I understand that the internet is a large network that enables computers to share information			I can use and combine services on the internet to share information
E-Safety	I know to tell an adult if I see anything worrying online	I know I need to keep my personal information private	I know I need to keep my password and personal information secure	I understand that what I say or post on the internet might be copied, shared and stored by others	I understand how to choose online content for my age group	I understand how to protect my computer or device from harm on the internet
			I can recognise acceptable and unacceptable behaviour online	I know what to do if I see anything worrying online		I understand how to report concerns about content and contact in and out of school
Computers	I can recognise how I use technology in my home and at school	I can recognise how others use technology outside of school	I know what input and output devices are and how they are used	I can use more complicated input devices		

			I can use a range of input and output devices efficiently			