



## Computing Progression of Skills

	Birth to 3	3 - 4	Reception	Y1	Y2
Computer science		Explore how things work. Provide mechanical equipment for children to play with and investigate. Suggestions: wind-up toys, pulleys, sets of cogs with pegs and boards.	I can make a floor robot move.	I know what an algorithm is	I know what an algorithm is
			I can use simple software to make something happen.	I know that programmes are made up of a sequence of codes	I can use algorithms to control devices or objects on screen
			I can make choices about the buttons and icons I press, touch or click on.	I can use instructions (algorithms) to control devices or objects on screen	I can write a program using instructions and know that this is coding
			I can move objects on a screen.	I can solve problems with instructions on and off screen	I can solve problems with instructions on and off screen
			I can create shapes and text on a screen.		I can predict the behaviour of simple programs or code
Information technology			I can tell you about technology that is used at home and in school.	I can get online and use websites	I can get online and use websites
			I can operate simple equipment.	Ask a question and find the answer	Ask a question and find the answer
			I can use a safe part of the Internet to play and learn.	I can use the internet to find information	I can explore and share information online
				I am safe online	I am safe online
			I can tell you about different kinds of information such as pictures, video, text and sound.	I can add text to pictures	I can create presentations for a specific audience
			I can record sound clips	I can record and use sound clips	I can publish and share work online
			I can take photographs/videos on cameras and other digital devices	I can take photographs/videos on cameras and other digital devices	I can take and edit photographs/videos on digital devices
				I can edit photos	I can save and use recorded sounds
				Use a data logger to collect information.	Use a data logger to collect information
				I can use software to represent data and information on screen	I can use software to represent data and information on screen
				I can create a graph or chart to answer questions	I can create a graph or chart to answer questions
	Talk about ICT in and out of school.				
Digital literacy			I can tell an adult when something worrying or unexpected happens while I am using the Internet.	I know messages can be sent electronically	I can use passwords and keep them safe
			I can talk about the amount of time I spend using a computer / tablet / game device.	I know that information online can be seen by others	I know that private information shouldn't be given out on the internet
			I am careful with technology		I know that information including images online can be shared at home, school and worldwide

