

Year 2 Computing

ulti-media	Programming	Data	Digital Literacy	Information Technology	Knowledge	Skills
Unit/focus	photographs	l.		Using digital software to create music.	Term 5 Use this term to ensure that children can operate a laptop/Chrome book.	Term 6 Consolidation of Y1 work and creating a quiz using ScratchJr
Planning resources	Digital photography Jessie and Friends Episode 3 (2 sessions)	Pictograms	Robot Algorithms Smartie the penguin Book 2	Making music Detective Digiduck Digiduck activity pack (also used in Y1)	Information Technology around us <u>Digital 5-a-day</u> (lesson 6 of above MTP)	
Physical resources	i-pads/tablets or cameras Pixlr/photo editing app Print of Jessie and Friends books and posters	i-Pad/tablet Chrome book/laptop j2e pictogram	Floor mats Smartie the Penguin book print out (if wanted)	Musiclab – songmaker Laptop/chrome book i-Pad (harder to save) Headphones/microph one	Different examples of IT Laptop/chrome book Google slides or PowerPoint	Scratch Jr app

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	photographs Keeping personal	Using tallies, pictograms and Block graphs to represent data digitally	Use of sequencing in algorithms to create a program with a floor robot		ensure that children	Consolidation of Y1 work and creating a quiz using ScratchJr
learning objectives	photographs	pictograms and why we use them.	To describe a series of instructions as a sequence	to experiment with pitch and duration	computer is (input > process > output) and that this is a part of information technology.	Explain that computers have no intelligence and we have to program them to do things.
	photo looks better in	Explain information shown in a simple chart or pictogram	is used to program a sequence on a floor	record and playback audio.	range of digital devices contain computers, e.g.	Identify and correct errors in a given algorithm or program, and recognise the term debugging.
	software can be used to make changes to images and some images are not real.	To know that objects have different attributes and to select different objects by attribute and make comparisons	I can explain why it is important to always ask a trusted adult before sharing any personal information online, belonging to myself or others.		are used for.	Explain what an algorithm is, and that when inputted on a computer it is called a program.

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Unit/focus		į –	Use of sequencing in algorithms to create a program with a floor robot		ensure that children	Consolidation of Y1 work and creating a quiz using ScratchJr
	is and the importance	simple data using images, e.g. number	algorithm need to be clear and	others does not belong to me even if I save a copy.	I can explain simple guidance for using information technology in different environments and settings	Plan out a program by creating an algorithm, and evaluate its success.
		charts/pictograms, e.g. add title, item or labels.	technology in different	voice activated searching is and how it might be used, and know it is not a real person (e.g. Alexa,	Identify and use input devices, e.g. mouse, keyboard; and output devices, e.g. speakers, screen	of an algorithm or program with
	I can explain how other people may look and act	Collect data on a topic (eye colour, pets etc.) and present in a pictogram or chart.	information I find online may not be real or true.	help from a trusted	Save and open files to/from a given folder.	I can decide which blocks to use to meet the design

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Unit/focus	How to take good photographs Keeping personal information safe	pictograms and Block graphs to represent	Use of sequencing in algorithms to create a program with a floor robot	0 0	ensure that children	Consolidation of Y1 work and creating a quiz using ScratchJr
	I can explain why I should always ask a trusted adult before clicking 'yes', 'agree' or 'accept' online.	'most/least' questions about an attribute	help from a trusted	I can use a computer to create a musical pattern using three notes		I can tell the actions of a sprite in an algorithm
	I can take photos in both landscape and portrait format	attribute	- I can create different algorithms for a range of sequences (using the same commands)	purpose	Highlight text and use arrow keys.	
	I can evaluate a photograph and improve by retaking it.		I can show the difference in outcomes between two sequences that consist of the same commands	I can save my work and re-open it	Log on to the school computer / unlock the school tablet.	
	I can experiment with light effects in photos		reasoning to predict the outcome of a program (series of commands)	I can save my work under a suitable title / name so that others know it belongs to me (e.g. filename, name on content).		

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6		
Unit/focus	How to take good	Using tallies,	Use of sequencing in	Using digital software	Use this term to	Consolidation of Y1		
	photographs	pictograms and Block	algorithms to create a	to create music.	ensure that children	work and creating a		
	Keeping personal	graphs to represent	program with a floor		can operate a	quiz using ScratchJr		
	information safe	data digitally	robot		laptop/Chrome book.			
	I can describe		I can explain the	I can explain the				
	different ways to ask		difference between	difference between				
	for, give, or deny my		things that are	things that are				
	permission online and			imaginary, 'made up'				
	can identify who can			or 'make believe' and				
	help me if I am not			things that are 'true'				
	sure.		or 'real'.	or 'real'.				
	I can use photo		I can create an					
	editing software to		algorithm to meet my					
	make changes to my		goal and debug it					
	image.							
	I can recognise							
	different feelings I							
	might encounter							
	online and how my							
	body might tell me							
	something 'doesn't feel right'.							
	I can use focus to							
	make my images clear							
Ongoing	How to use a mouse							
skills	Start to use a track pad							
	Become more confident in finding the letters on the keyboard Being able to login to school devices and follow navigation instructions to open applications							
	l can use simple keywords in search engines.							