

IT Skills

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Software/Hardware	Software/Hardware				
Input/Output	Input/Output				
Storing digital content	Storing digital content	Storing digital content	Storing digital content - size, cloud		
Computer parts - external		Computer parts - Internal CPU			
	Networks - Server	Networks - Digital communications Server	Networks - Internet, folder structure	Network - server/master computer	
			Malware/Viruses		
			File extensions - Intro, generic		File extensions - focus more on sound files
			Operating systems	Operating systems	
	Website addresses			IP addresses	
				Binary form	
	WWW - features e.g. hotspots, hyperlinks, menus, buttons, icons		WWW - hyperlinks, search engines		
		Pixels			
		Electronic communications - different types			

Digital Literacy - Programs

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Digital v non-digital texts	Digital v non-digital texts				
DRAWING/ART					
Drawing/Painting	Drawing/painting - comparing tools			3D graphical modelling	
IMAGES/ANIMATION					
Still Images (photos) - Taking <i>Cameras</i>	Still images (photos) - Framing <i>Cameras</i>	Still Images (Photos) - editing <i>Cameras</i>			
Moving Images (videos)	Animation - still images	Animation - Stop motion		Animation Digital films	
AUDIO/SOUND					
Audio Devices		Sound - record & edit			Sound - edit, share, program, podcasts, export
WORD PROCESSING/WRITING					
	Word Processing - Formatting		Word Processing - formatting, inserting, altering digital images.		
	Blog - introduction	Blogs - commenting			Blogs - writing them
					Micro blogs
					Wiki
ORGANISING INFORMATION					
	Presenting Information - graphics, word processing, sound, film recording		Powerpoint/multimedia - non-linear, adding hyperlinks		

Graphs (pictograms, bar charts) - presenting information	Graphs (pictograms, bar charts, Venn, Carroll diagrams) - presenting information and drawing conclusions		Spreadsheets - graphs, number patterns		Spreadsheets - formulae, if function
Sensors - data loggers		Sensors - data loggers & linked software <i>Microscopes</i>		Sensors - automated systems	Data loggers
Branching databases - yes/no questions for organising data		Branching databases - high level questions Flat file structure		Databases - structures	
	Mind maps				
WWW					
	WWW - key words, researching (closed searches - given website to use)	WWW - communication	WWW - network, recapping researching	WWW - searching	
EMAILS					
	Emails - sending	Emails - adding attachments			
E-SAFETY					
Permission - photos	Permission - photos	Permission			Permission
	Ownership - Adding their name to work, crediting others		Ownership	Ownership	Ownership - copyright, ownership, plagiarism

COMPUTER SCIENCE - PROGRAMMING/CODING

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Algorithms (set of clear instructions)					
Sequence	Sequence	Sequence	Sequence	Sequence	Sequence
Repetition - introduction	Repetition	Repetition	Repetition	Repetition	Repetition
		Selection	Selection	Selection	Selection
			Decomposition		
	Simulations		Simulations - Abstraction	Abstraction	Abstraction
			Procedures		
			Debug	Debug	Debug
			Refine	Refine	Refine
				Variables	Variables
				Comments	Comments
					Programming sounds