Computing	Year 4	Year 5	Year 6
Vocabulary	logical reasoning,	variables, object, pixel, spreadsheet,	sensors, results, conclusions,
-	script,query,copyright, pop ups,	field entry, cell row, column,	encrypt, re-post, tagging,
	cookies, creditable, reliability,	advertise, webpage, Search engine	plagiarism, referencing, cyber
(Digital Literacy)	Can recognise what appropriate	<ul> <li>Understands what a digital footprint</li> </ul>	• Is aware of and has ways of
(Digital Ellorady)	online behaviour looks like when	is and can explain what a positive	identifying 'fake news' / websites.
E-Safety	collaborating with others online.	digital footprint looks like.	Understanding the importance of
	Beginning to understand what a	Identifying possible dangers online	secure passwords and how to
	digital footprint is.     Knows and recognises the CEOP	<ul> <li>Can use an online community safely</li> </ul>	create them.
	button.	<ul> <li>Recognising that information on the</li> </ul>	effectively.
	<ul> <li>Understands that online</li> </ul>	Internet might not	Recognising that updated software
	collaborating can relate to gaming	be true or correct and that some	can help to prevent
	eic.	trustworthy thanothers	data corruption and hacking
(Information	<ul> <li>Is able to access information and</li> </ul>	<ul> <li>Uses search engines to find a range</li> </ul>	<ul> <li>Independently searches the</li> </ul>
Technology)	websites by clicking on hyperlinks	of information and resources on a	internet using a variety of methods
Research	set up by their teacher.	specific topic.	to find a range of information and
Research	variety of devices to access	begins to understand the purpose of	• Uses a range of search filters e.g.
	search engines.	copyright regulations.	+, - , or, info: advanced searching,
	Children understand the functions,		file type.
	engine		Oses a variety of sources and methods to check for bias and
	chighte.		accuracy.
(Information	<ul> <li>Share work they have completed</li> </ul>	· Upload work they have completed to	Uses methods of online
Technology)	electronically	appropriate space	communication, such as emails,
Electronic	• To begin to understand how to email people using using their @	electronically by emailing it to their	comment sections on work, to
Communication	address.	teacher (using Microsoft Office 365	communicate in a safe and
(Information		outlook explorer).	appropriate manner.
(Information Technology)	<ul> <li>Uses a simple database (the structure of which has been set up)</li> </ul>	<ul> <li>Can create data collection sneet on paper and can compare with</li> </ul>	Onderstand what a spreadsheet is and explain the importance of the
	for them) to enter and save	computer-based database.	headings.
Data handling	information.	Can explain what a 'field' and a	<ul> <li>Can ask and answer questions</li> </ul>
	Can propose a question which can     be answered through logged data	'record' is in a database.	from an existing set of data.
	<ul> <li>Can interpret data that has been</li> </ul>	by to answer a given guestion.	Can explain what an item of data
	collected using a data logger.		
			• Chooses suitable ways to present data.
(Information	Is beginning to use advanced tools	Is able to integrate multimedia into a	Multimedia work shows restrained
Technology)	in word processing such as tabs,	piece of work / project.	use of effects that help convey
Text and	text formatting, word art, line		impress
Multimedia	a piece of work presentable and fit		improce.
	for purpose.		
(Information	Is able to manipulate images, using a range if tools in	<ul> <li>Is able to create a short film/animation from images (still and/</li> </ul>	Can Integrate images they have     sourced/ captured / manipulated
reciniology)	appropriate software to convey a	or moving). That hev have sourced.	into a project e.g. presentation.
Digital Images	specific mood or idea.	captured or created.	video or document.
(Information	<ul> <li>Is able to import existing audio,</li> </ul>	<ul> <li>Is able to record their own audio /</li> </ul>	Can create and share podcasts/
rechnology)	of digital work.	incorporated into a piece of digital	content that demonstrats they have
Sounds/	• e.g. on a PPT Presentation / J2E5	work.	considered the audience and
Communication	/ Imovie / Scratch	e.g. PPT Presentation/ J2E5/ Imovie	purpose.
	Can create a short sequence of	Is able to predict test and modify	<ul> <li>Independently create sequences of</li> </ul>
(Computer	instructions, based on own ideas,	procedures in a sequence of	commands to control devices/
Science)	predicting what will happen.	instructions they have created, when	sprites involving response to
Programming	Use logical reasoning to explain	programming devices on and off	sensing.
	detecting and correcting errors.	Begin to use 'if' statements to	their system, ensuring it is fit for
	Turns real life situation into an	demonstrate their logic of structure.	purpose.
	algorithms, thinking of the		
	coding structure and language.		
(Computer	Understands that their password is	Shows an understanding of the	<ul> <li>Shows an understanding of how</li> </ul>
Science)	the key to accessing personal	school network and how it links	filtering and monitoring tools effect
Technology in our	resources and files.	beyond, Compare WAN LAN and	internet and compare this wth their
Lives: network		CLOUD.	experience of access outside of
(0		-	school.
(Computer Science)	Begin to understand what a URL /     byperlink is	<ul> <li>Performs search using different search engines</li> </ul>	Uses collaborative tools and email     safely, demonstrating a sensitivity
Understanding	<ul> <li>Is able to access websites by</li> </ul>	<ul> <li>Is able to access websites by typing</li> </ul>	to remote collaboration and
Technology in our	clicking on a website link.	in a URL.	communication.
Lives: the Internet			