

Computing Curriculum Intent							
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Systems vorks		Identify	Recognise the uses	Explain how digital	Describe how networks	Explain that	Explain the
		technology	and features of	devices function and	physically connect to other	computers can be	importance of
ing Syste Networks		and a	information	recognise how they	networks and understand	connected	internet addresses.
jo Ž		computer.	technology in and	change the way we	how networked devices	together for form	Recognise how data is
		Use a mouse	outside of school.	work. Identify input	make up the internet.	systems and	transferred across the
		in different	Explain how	and output devices.	Outline how websites can be	recognise the role	internet and explain
<b>SO 1</b>		ways.	information	Explain how a	shared via the World Wide	of computer	how sharing
		Use a	technology helps	computer network	Web (WWW) and	systems in our	information can help
		keyboard to	us.	can be used to share	understand how content can	lives. Experiment	people to work
		type and edit	Explain how to use	information and	be added and accessed.	with search engine	together. Evaluate
mpu and		text on a	information	recognise the	Recognise how the content	and explain how	different ways of
		computer.	technology safely.	physical components	of WWW is created by	search results are	online
Computing and Netv		Understand	Recognise that	of a network.	people and evaluate the	ranked. Recognise	communication.
$\mathbf{O}$		rules for	choices are made	Understand how	consequences of unreliable	why the order of	
		using	when using	digital devices can be	content.	results is	
		technology	information	connected.		important.	
		responsibly.	technology.				



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	Digital	Digital	Stop-frame	Audio Production:	Video production:	Web page creation:
	Painting:	Photography:	animation:	Understand that sound can	Explain what	Review an existing
	Describe	Use a digital device	Understand that	be recorded and explain that	makes a video	website and consider
	what	to take a	animation is a	audios can be edited.	effective and	its structure. Plan the
	different	photograph.	sequence of	Recognise the different parts	identify digital	features of a web
	freehand	Describe what	drawings or	of creating a podcast project	devices that can	page. Consider the
	tools do.	makes a good	photographs and	and apply edition skills	record videos.	ownership and use of
	Use the	photography and	relate animated	independently. Combine	Capture video	images. Recognise the
ed	shape tool	decide how	movement with a	audio to enhance project	using a range of	need to preview
Σ	and the line	photographs can	sequence of images.	and evaluate the	techniques and	pages and outline the
	tools.	be improved. To	Plan, review and	effectiveness.	understand that	need for a navigation
	Make careful	use tools to change	improve an	Photo editing:	video can be	path. Recognise the
	choices	an image and	animation and work	Explain that the composition	improved through	implications of linking
DC <sup>1</sup>	when	recognise that	consistently and	and colours of digital images	reshooting and	content owned by
	painting a	photos can be	carefully.	can be changed. Understand	editing. Create a	others.
	digital	changed.	Evaluate the impact	how closing can be used in	storyboard.	3D Modelling:
	picture.	Digital Music:	of adding other	photo editing. Explain that	Consider the	Identify that digital
	Explain why I	Identify patterns in	media to an	images can be combined and	impact of the	3D objects can be
	chose the	music and	animation.	combine images for a	choices made when	modified. Recognise
reati	tools I use.	experiment with	Desktop Publishing:	purpose. Evaluate how	making and sharing	that objects can be
$\mathbf{C}$	Use a	sound using a	Recognise how text	changes can improve an	a video.	combined in a 3D
	computer on	computer. To use a	and images convey	image.	Introduction to	model. Plan and
	my own and	computer to create	information and		vector graphics:	create a 3D model.
	to paint a	a musical pattern.	understand that text		Identify that	
	picture.	Create music for a	and layout can be		drawing tools can	
	Compare	purpose. Review	edited. Choose		be used to produce	
	painting a	and refine our	appropriate page		different	
	picture on a	computer work.	settings and add		outcomes. Create a	



	computer	content to a desktop	vector drawing by
	and on	publishing	combining shapes
	paper.	publication.	and use tools to
		Consider how	achieve desired
	Digital	different layouts can	effects. Recognise
	writing:	suit different	that vector
	Use a	purposes and	drawings consist of
	computer to	understand the	layers. Group
	write and	benefits of desktop	objects to make
	add and	publishing.	them easier to
	remove text.		work with.
	Identify that		
	the look of		
	text can be		
	changed on a		
	computer.		
	Make careful		
	choices		
	when		
	changing		
	text and		
	explain why l		
	used the		
	tools that I		
	chose.		
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	Explain what	To describe a series	Explore a new	Identify that accuracy in	Control a simple	Define 'variable' and
	•		•	•		
	a given	of instructions as a	programming	programming is important	circuit connected	explain why it is used
	command	sequence.	environment.	and create a program in a	to a computer.	in a program. Choose
	will do and	Explain what	Recognise that	text-based language. Define	Write a program	how to improve a
	choose a	happens when we	commands have an	the term 'repeat' and modify	that includes a	game by using
	command	change the order	outcome and explain	and create a count-	count-controlled	variables. Design,
	for a given	of instructions.	that a program has a	controlled loop to produce	loop and explain	create and evaluate a
	purpose.	To use logical	start. Understand	an outcome. Decompose a	that a loop can	project.
	Combine	reasoning to	that a sequence of	task into small steps.	stop when a	Create a program to
	forwards and	predict the	commands can have	Use count-controlled loops	condition is met or	run on a controllable
	backwards	outcome of a	an order. Change the	in a different programming	that is can be used	device. Explain that
	commands	program.	appearance of a	environment and explain	repeatedly to check	selection can control
	to make a	Explain that	project and create a	that in programming there	whether a	the flow of a
	sequence.	programming	project from a task	are infinite loops.	condition has been	program. Update a
	Combine	projects can have	description.	Create a design that includes	met. Design a	variable with a user
	four	code and artwork.	Explain how a sprite	two or more loops which run	physical project	input. Use a
	direction	To design an	moves in an existing	at the same time.	that includes	conditional statement
	commands	algorithm and	project. Create a	Modify an infinite loop in a	selection and	o compare a variable
DÇ D	to make	create and debug a	program to move a	given program and design	create a program	to a value. Design and
2	sequences.	program.	sprite in four	and create a project that	that controls a	develop a program to
•	Plan a simple	Explain that a	directions. Adapt a	includes repetition.	physical computing	use inputs and
	program.	sequence of	program to a new		project.	outputs on a
	Show that a	commands has a	context. Develop		Explain how	controllable device.
	series of	start and outcome.	programs by adding		selection is used in	
	commands	Create a program	features.		computer	
	can be joined	using a given	Identify and fix bugs		programs and how	
50	together.	design. To change a	in a program. Design		it directs the flow	
rogrammi	Find more	given design. To	and create a maze-		of a program.	
2	than one	create a program	based challenge.		Design, create and	
	solution to a	using own design	-		evaluate a program	
	problem.	and decide how				



	Design the	project can be			which uses	
	parts of a	improved.			selection.	
	project and					
	use an					
	algorithm to					
	create a					
	program.					
	Label objects	Recognise that we	Form questions with	Explain that data gathered	Use a form to	Create and build a
	and identify	can count and	yes/no answers.	over time can be used to	record information	data set in a
	that objects	compare objects	Identify attributes	answer questions. To use a	and compare paper	spreadsheet. Explain
	can be	using tally charts.	needed to collect	digital device to collect data	and computer-	that formulas can be
	counted.	Recognise that	data about an	and explain that a data	based databases.	used to produce
	Describe	objects can be	object. Create a	logger collects 'data points'	Outline how	calculated data. Apply
	objects in	represented as	branching database	from sensors over time.	questions can be	formulas to data.
nformati	different	pictures and create	and explain why it is	Understand how a computer	answered by	Create a spreadsheet
	ways and	a pictogram.	helpful for a	can help us analyse data and	grouping and	to plan an event.
4	compare	Select objects by	database to be well-	use data to answer	sorting data.	Choose suitable ways
	groups of	attribute and make	structured. Plan the	questions.	Explain that tools	to present data.
	objects.	comparisons.	structure of a	questions.	can be used to	
	Count	Recognise that	database and create		select specific data.	
	objects with	people can be	an identification		Explain that	
	the same	described by	tool.		computer	
and	properties.	attributes. Explain			programs can be	
_	Answer	that we can			used to compare	
ata	questions	present			data visually. Use a	
	about groups	information on a			real-world	
					database to answer	
	of objects.	computer.				
					questions.	