



	Computing Progression Document						
E	EYFS:	1	2	3	4	5	6
Computing systems and networks 1 - Technology around us 2 - Information technology around us 3 - Connecting computers 4 - The internet	Recognise technology that is used at home and in school. Understand what a computer is and the different uses of computers i.e. learning, communicating, finding information, playing games etc. Understand some ways to stay safe when using electronic devices and the internet (Education for a Connected World) https://czone.east sussex.gov.uk/safe guarding/safeguar ding-in-schools- colleges-and-early- years- settings/education -for-a-connected- world-resources/	Explain that technology is something that can help us and give examples Identify examples of technology including a computer Recognise that choices are made when using technology Explain why rules are needed when using technology Choose a piece of technology to do a job and show how it can be used in different ways Identify the main parts of a computer Use a mouse in different ways Use a keyboard to type and edit text				I can explain how computers can be connected together to form systems I can recognise the role of computer systems in our lives I can recognise how information is transferred over the internet I can explain how sharing information online lets people in different places work together I can contribute to a shared project online I can evaluate different ways of working together online	I can identify how to use a search engine I can describe how search engines select results I can explain how search results are ranked I can recognise why the order of results is important, and to whom I can recognise how we communicate using technology I can evaluate different methods of inline communication



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A by correctly closing websites or apps and safely turning on and off. 1 - Digital writing 1 - Digital writing 1 - Digital writing 1 - Digital writing 2 - Digital photography brotography on and off. 3 - Stop-frame animation 4 - Audio production 4 - Audio production 1 - Digital limput commands using a mand off. 4 - Audio production 1 - Digital limput commands using the space bar, backspace, enter, letters and numbers on a keyboard on any device (including on a tablet). 2 - Digital limput commands using the space bar, backspace, enter, letters and numbers on a keyboard on any device (including on a tablet). 4 - Audio production 4 - Audio production 4 - Audio production 5 - Consider the impact of choices made 1 - Digital use the Shift key to change the output of a key to change the to change the output of a key to change the bind to change the output of a key to change the space bar, back space, enter, letters and numbers on a keyboard on any and text can be changed in animation and power to change the changed in and omposition choices including light to change the changed in animation animation to choices including light to change the changed in animation and to choices including light to choices including light to choices including light to choices including l	Creating media A b	digital devise can capture images using a camera animation is made up of a sequence of images be recorded using an input device and played using an output device Explain how to take I can identify digital devises	I can review an existing website and consider its structure
options OR use finger control to interact with a punctuation, special characters and space keys to options OR use finger control to interact with a laways accurate using a storyboard using a computer of long the onion options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation, special characters and space keys to options OR use punctuation and space keys to options OR use punctuation and special characters are punctuation of the options OR use punctuation	writing O 2 - Digital Ir photography U 3 - Stop-frame enimation Ir u 4 - Audio production Ir u c a	and composition choices including light Recognise that photographs can be saved and viewed later Identify how a photograph could be improved Recognised that photographs can be saved and viewed Identify how a photograph could be improved Recognise that smaller movements create smoother animation Recognise that smaller movements create smoother animation Explain the impact of adding other media to an animation Recognise that sound can be edited I can capture video using a range of techniques Recognise that audio can be elayered to play multiple sounds I can create a story board I can create a story board I can identify how or can be editing choices made	I can plan the features of a webpage I can consider the ownership and use of images (copyright) I can recognise the need to preview pages I can outline the
swipe) computer landscape and portrait, using zoom and considering landscape and project project impact of choices of line in the landscape and project landscape and project impact of choices of line in the landscape and project landscape and landscape and project landscape and project landscape and landscape and project landscape and landscape a	c a c o fi ir ta s:	Recognised that photographs can be changed and are not always accurate Capture a clear digital image in landscape and portrait, using zoom and considering lighting View photographs on a digital device and decide which to keep Recognised that can be shared Consider the results of editing choices made Record and play sound using a computer Import audio into a project Delete a section of audio Change the volume of tracks in a project Change the volume of tracks in a project Add media to enhance an animation and photograph by retaking it or using Review a captured sequence of frames and recover an animation and review the completed project Consider the results of editing choices made Consider the results of editing choices made I can identify how video can be improved through reshooting and editing I can identify how video can be improved through reshooting and editing I can identify how video can be improved through reshooting and editing I can consider the impact of choices made I can consider the impact of choices made I can consider the impact of choices made I can consider the results of editing choices made I can consider the impact of choices made editing	



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	Programming	Give	backspace to	Describe a series	Explain that	Identify a loop	I can control a	I can define a
	(taught over 2	commands/instruct	remove text	of instructions as	programs start	command in a	simple circuit	'variable' as
	half terms)	ions e.g. forward,		a sequence	because of an input	program and explain	connected to a	something that is
		backwards, go,	Use Undo			how it is used	computer	changeable
	1 - Moving a	stop, when using	Explain and	Explain what	Identify that a			
	robot	simple	predict the	happens when	program includes a	Explain the purpose	I can write a	I can explain why
	- Programming	software/hardware	outcome of a	we change the	sequence of	of indefinite and	program that	a variable is used
	animations		command	order of	commands	count controlled	includes count-	in a program
		Make choices		instructions	(process)	loops	controlled loops	
	2 - Robot	about the	Understand that			Justify when to use a		I can explain why
	algorithims	buttons/icons to	a program is a set	Use logical	Explain how the	loop and when not to	I can explain how	a variable is used
	- Programming	press, touch or	of commands	reasoning to	order of commands	loop and when not to	a loop can stop	in a program
	quizzes	click on when using	that a computer	predict the	can affect a	Explain the important	when a condition	
		simple	can run	outcome of a	program's output	of instruction order in	is met	I can choose how
	3 - Sequencing	software/hardware		program		a loop		to improve a
	sounds	•	Recall that a		Build a sequence of	·	I can explain how	game by using
	- Events and		series of	Choose a series of	commands	Recognise that not all	a loop can be	variables
	actions in		instructions can	words that can be	combined in a	tools enable more	used to	
	programs		be issued before	enacted as a	program	than one process to	repeatedly check	I can design a
			they are enacted	sequence		be run at once	whether a	project that
	4 - Repetition in				Order commands		condition has	builds on given
	shapes		List which	Choose a series of	in a program	List an everyday task	been met	example
	- Repetition in		commands can be	instructions that	_	as a set of		
	games		used on a given	can be run as a	Create a sequence	instructions including repetition	I can design a	I can use my
			device	program	of commands to	repetition	physical project	design to create a
			B	Construction of the con-	produce a given	Plan a program using	that includes a	project
			Run a command	Create and debug	outcome	indefinite and count	selection	
			on a floor robot	a program I have written		controlled loop to	I can create a	I can evaluate my
			Choose a series of	written		produce a given	program that	project
			words that can be	Trace a sequence		outcome	controls a	
			enacted as a	to make a			physical	
			program	prediction and		Use tools to enable	computing	
			program	test the		more than one	project	
			Choose a series of	prediction		process to be run at	project	
			commands that	prediction		the same time		
			commanus mat					





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Data and information 1 - Grouping data 2 - Pictograms 3 - Branching databases 4 - Data logging	Identify that objects can be counted Recognise that information can be presented in different ways Identify some attributes of an object and choose one to group objects by Collect simple data and show that it can be counted Describe the properties of an object Group objects to answer questions	Use a tally chart to collect data and suggest appropriate headings Compare objects that have been grouped by attribute using comparative questions Use a computer program to present information in different ways Give simple examples of why some information should not be shared Enter data onto a computer and view it in different formats including pictograms	Investigate questions with yes/no answers and identify their attributes Select an attribute to separate objects into 2 groups Explain that a branching database is an tool used to identify objects using fewer questions Suggest real-world applications for branching databases Create questions with yes/no answers Choose questions that will divide objects into equal subgroups Identify an object using a branching	Explain that data gathered over time can be used to answer questions Identify that sensors are input devices use for data collection Explain how data logger captures 'data points' from sensors Use a digital device to collect data at chosen automatic intervals Use logged data to find information Use a computer program to sort data by one attribute Export information	I can use a form to record information I can compare paper and computer-based databases I can outline how grouping and then sorting data allows us to answer questions I can explain how tools can be used to select specific data I can explain how computer programs can be used to compare data visually	I can identify questions which can be answered using data I can explain how objects can be described using data I can explain how formulas can be used to produce calculated data I can apply formulas to data, including duplicating I can create a spreadsheet to plan an event I can choose suitable ways to
	Describe the properties of an object Group objects to	some information should not be shared Enter data onto a computer and view it in different formats including	with yes/no answers Choose questions that will divide objects into equal subgroups Identify an object	find information Use a computer program to sort data by one attribute	I can explain how computer programs can be used to compare	I can create a spreadsheet to plan an event



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	Creating media		Identify that	Recognise how text	Explain how digital	I can identify that	I can use a
	В	Explain what	computers can be	and images convey	images can be	drawing tools can	computer to
		different	used to play	information	changed for different	be used to	create and
	1 - Digital	freehand tools do	sounds of different	Ular da waka wadikha a	purposes	produce different	manipulate 3D
	painting		instruments	Understand the difference between		outcomes	digital objects
		Recognise		landscape and	Recognise that not		
	2 - Making	computers can be	Identify that the	portrait	all images are real	I can create a	I can compare
	music	used to create art	same pattern can	portrait		vector drawing by	working digitally
			be represented in	Consider how	Consider the impact	combining shapes	with 2D and 3D
	3 - Desktop	Recognise a tool	different ways	different layouts can	of changed made on		graphics
	publishing	can be adjusted	Camanana mlassina	suit different	the quality of an	I can use tools to	
		to suit my need	Compare playing music on	purposes	image	achieve a desired	I can construct a
	4 - Photo	and recognise its	instruments with			effect	digital 3D model
	editing	appropriate use	making music on a	Recognise that DTP	Change the		of a digital object
			computer	pages can be structured with	composition of an	I can recognise	
		Compare painting	Compacer	placeholders	image (arrange, crop	that vector	I can identify that
		using a computer	Use a computer to	placeflolders	and cut)	drawings consist	physical objects
		with painting with	experiment with	Recognise how		of layers	can be broken
		brushes	different sounds	different font styles	Apply a change		down into a
			and create a	and effects are used	globally to an image	I can group	collection of 3D
		Create a picture	musical pattern	for different	(adjust colours apply	objects to make	shapes
		using freehand		purposes	filters, add effects)	them easier to	
		tools	Use a computer to			work with	I can design a
			compose a rhythm	Change page	Apply changes locally		digital model by
		Use shape and	and a melody and	orientation	to an image (retouch	I can evaluate my	combining 3D
		line tools for	play them in	Add and organise	and reuse)	drawing by	objects
		precision	different ways (eg.	text and image		suggesting	
			tempo)	placeholders	Make additions to an	improvements	I can develop and
		Use a range of		P	image (draw, add	and creating	improve a digital
		colours and the	Evaluate and	Move, resize and	text, add an	alternatives	3D model against
		fill tool to colour	improve a musical	rotate images	element)		design criteria
		an enclosed area	composition created on a				
			computer	Edit text including			
		Combine a range	Computer	choosing fonts and			
		of tools to create		applying effects			
		a piece of artwork		Review a document			
L				neview a document			



