Computing

Each pupil at Beech Hill has the right to a wealth of rich, deep learning experiences within the subject area of computing. As technology plays such a significant role in society today, we believe 'Computational Thinking' is a skill that children must be taught if they are to be able to participate safely and effectively in this digital world.

The core of computing is Computer Science alongside basic skills. Pupils are introduced to a wide range of technology, including desktop computers, Chromebooks, iPads, BeeBots, Code-a-Pillars, Crumble kits and interactive whiteboards, allowing them to continually practise and improve the skills they learn. This ensures they become digitally literate so that they are able to express themselves and develop their ideas through information and computer technology– at a level suitable for their next step into high school and the future workplace as active participants in a digital world.

We teach a curriculum that enables children to become confident users of technology who can:

- Understand and apply the fundamental principles and concepts of Computer Science, including logic, algorithms and data representation
- Analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
- Evaluate and apply information technology analytically to solve problems
- Communicate ideas well by utilising appliances and devices throughout all areas of the curriculum.
- Have the basic skills needed to be computer literate in an ever-developing digital world

The Computing national curriculum is made up of 3 main components and is broken down into them as seen here.

Children access these components by using various skills, which are outlined in this progression. They also need to be computational thinkers to be successful computer scientists- the skills needed to be a computational thinker are outlined below.



Computing

experience of writing programs.

Computer

Science

Information

- Analyse problems in computational terms and have

- KS 2: Understand computer networks (LAN, Internet)

- Using information technology to create a range

Aspect	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Basic	Name mouse, screen	Click the mouse	Turn on a computer	Recall and do all	Recall and do all	Recall and do all	Recall and do all	Recall and do all
Computing	and keyboard	using their index		previously learned	previously learned	previously learned	previously learned	previously learned
skills		finger on the left	Name the main parts	skills	skills	skills	skills	skills
(ICT)	Hold and move the	button	of a desktop					
	mouse with		computer/pc	Find and open	Find and open work	Continue to improve	Rename a file in their	Create and name
	dominant hand	Move the mouse and		Microsoft Word	from my own folder	accuracy and speed	own folder	new folders
		observe the cursor	Log in and log out		in pupil drive	of touch typing		
	Click the mouse with	moving as the mouse		Use Save As to save			Insert shapes and	Use shortcuts on the
w	one finger	does	Hold a mouse	work in their own	Find, open and save	Find and open work	pictures into a	keyboard to work
			correctly	folder on pupil drive	Microsoft Word and	from a friend's folder	PowerPoint	more efficiently in
		Make marks by			Microsoft	to peer assess (with	document	Word and
D 10		clicking the mouse in	Single and double	Save work on Purple	PowerPoint	their permission)		PowerPoint
P E		Purple Mash 2Paint	click the mouse	Mash using Save As		B 1 1	Copy and paste using	Ctrl x
		Lies heth herede to		in their own folder	Change the colour,	Print Work	Keyboard shortcuts	Ctrl D
		Use both hands to	Start to recognise	Deve eveloper the size even	size and style of font	Find and an an Mond	Ctrl C	Ctrl u Ctrl e
X≣		press the keys on the	where letters are on	Remember their own	In word and	Find and open word,	Ctriv	Ctri a
		keyboard	the Reyboard	username anu	PowerPoint	Freed	Lice the chinning tool	Lico format paintor
100		Find come letters in	Recognize that the	passworu	Pogin to touch type	EXCEL	Ose the shipping tool	Ose format painter
(I)		their own name on	cursor moves when I	Use the keybeard on	more accurately	Pight click the mouse	Croate a PowerPoint	Format toxt using
P		the keyboard	move the mouse	a device to add	more accurately	in Word	including animations	align spacing
		the Reyboard	move the mouse	delete and snace text	Lise Lindo			dependent on
			Know that the return	for others to read	030 01100	Conv and naste items	Include transitions in	audience
			key moves the cursor	for others to read.	Use appropriate	from one document	a PowerPoint	uuuichice
			to the next line when	Use their knowledge	keyboard commands	to another using the		Insert table and use
			I am word processing	of where the letters	to amend text on my	buttons on the	Use the shift key	data to create a
				are on the keyboard	device, including	toolbar or the drop-	pressed with a letter	chart/graph
X Cut			Save work on Purple	to start to touch type	making use of a	down menu	to capitalise	70 1
do cui			Mash from a 2Do		spellchecker.			
Conv.			and know where to	Know the function of		Insert a picture to a	Insert a table and	
Coby			find it	the delete and		Word or PowerPoint	add data	
				backspace key		document		
			Use the keyboard or				Use ctrl Z to undo	
			a word bank on my	Use the Caps Lock		Add bullet points or		
Paste			device to enter text.	key		numbers to a list in		
			(PM, Word)			Word or PowerPoint		
						Insert a shape into a		
						Word document and		
						change its size,		
						colour and		
						orientation		

Online Safety	Name and recognise	Name and recognise	Recognise that there	Explain how people	Explain what is	Explain how online	Explain how identity	Critically evaluate
(part of	upset emotions	uncomfortable,	may be people online	may look and act	meant by the term	identity can be	online can be copied/	online content
digital		embarrassed, and	who could make	differently online and	'identity'	different to offline	modified or altered.	relating to gender,
literacy)	Recognise some	upset emotions	someone feel sad,	offline.		identity.		race, religion,
	ways in which		embarrassed or		Explain how people		Demonstrate how to	disability and culture
ONLINE	devices can be used	Recognise, online or	upset.	Discuss issues that	can represent	Describe positive and	make responsible	
SAFETY	to communicate	offline, that anyone		might make	themselves in	respectful ways for	choices about having	Explain why it is
		can say 'no thank	Know when and how	someone feel sad,	different ways online	someone to interact	an online identity	important to
	Recognise some	you'/ 'please stop'/	to speak to an adult I	worried,	and how someone	with others online		challenge and reject
	ways in which the	'I'll tell'/'I'll ask' to	can trust and how	uncomfortable or	might change their	and understand how	Explain that there	inappropriate
	internet can be used	somebody who	they can help	frightened and give	identity depending	this will positively	are some people I	representations
	to communicate.	makes them feel sad,		examples of how	on what they are	impact on how	can communicate	online.
		uncomfortable,	Give examples of	they might get help.	doing online	others perceive	with online who may	
	Give examples of	embarrassed or	when I should ask			them.	want to do me or my	Explain how sharing
	devices that they	upset	permission to do	Understand the risks	Explain what it		friends harm	something online
	could use to go on		something online	posed by people who	means to 'know	Explain that others		may have an impact
	the internet	Recognise some	and explain why this	might use technology	someone' online and	online can pretend to	Describe ways	positively or
		ways in which the	is important.	to communicate with	why this might be	be someone else,	people may be	negatively
		internet can be used		others they don't	different from	including my friends,	involved in online	
		to communicate.	Explain how to	know offline	knowing someone	and can suggest	communities and	Describe the
			behave online and		offline.	reasons why they	describe how they	importance of
		Give examples of	why it is important to	Know who to ask		might do this.	might collaborate	respecting
		how they (might) use	be considerate and	before sharing things	Understand why it is		constructively with	boundaries regarding
		technology with	kind to people online	about themselves or	important to be	Describe strategies	others	what is shared online
		people they know.		agreeing to things	careful about who to	for safe and fun		and how things
			Recognise that	online	trust online including	experiences in a	Demonstrate how to	shared privately
		Identify ways that we	information can stay		what information	range of online social	support others who	online can have
		can put information	online and could be	Know their right to	and content they are	environments	are having difficulties	unintended
		on the internet.	copied	deny their	trusted with.		online.	consequences for
				permission online,		Understand that		others
		Describe ways that	Describe what	ways to ask for and	Explain how	some of the	Describe ways that	
		some people can be	information I should	give permission and	someone's feelings	information about	information about	Explain strategies to
		unkind online	not put online	understand how	can be hurt by what	anyone online could	anyone online can be	protect their 'digital
			without asking a	others would feel if	is said or written	have been created,	used by others to	personality and
		Give examples of	trusted adult first.	permission isn't	online.	copied or shared by	make judgements	online reputation'
		how being unkind		sought before		others	about an individual	
		can make others feel.	Understand that we	sharing something	Explain the		and why these may	Explain how
			can encounter things	about them.	importance of giving	Describe ways	be incorrect.	someone would
		Identify devices we	we like and don't like		and gaining	people can be bullied		report online bullying
		could use to access	online as well as	Name their trusted	permission before	through a range of	Recognise that online	in different contexts
		information on the	things which are real	adults who can help	sharing things online	media	bullying can be	
		internet	or make believe/ a	if something happens	Explain the need to		different to bullying	Explain and give
			joke	online without	be careful before	Explain why people	in the physical world	examples of what a
		Identify rules that		consent or is	sharing anything	need to think		'hoax' is.
		help keep us safe and	Explain rules to keep	incorrect	personal	carefully about how	Identifies ways to	
		healthy in and	safe when using			content they post	report concerns and	Explain how and why
		beyond the home	technology both in	Understand that	Demonstrate how to	might affect others	access support both	some people may
		when using		information put	get help from a		in school and at	present opinions as

	technology.	and beyond the	online about	trusted adult if we	Analyse information	home about online	facts; why the
		home	someone can last for	see content that	to make a judgement	bullying.	popularity of an
	Link feelings to		a long time and can	makes us feel sad,	about probable	Knows how to block	opinion or the
	online experiences	Understand that	be seen by others	uncomfortable,	accuracy and I	abusive users	personalities of those
		passwords are used		worried or frightened	understand why it is		promoting it does
	Identify some simple	to protect	Explain what bullying		important to make	Explain the benefits	not necessarily make
	examples of personal	information,	is, how bullying can	Give examples of	my own decisions	and limitations of	it true, fair or
	information (e.g.	accounts and devices	make someone feel	how bullying	regarding content	using different types	perhaps even legal.
	name, address,		and how victims can	behaviour could	and that my	of search	
	birthday, age,	Recognise examples	get help	appear online and	decisions are	technologies	Define the terms
	location)	of information that is		how someone can	respected by others.		'influence',
		personal to someone	Understand the	get support		Evaluate digital	'manipulation', and
	Describe who would		difference between		Describe how to	content and explain	'persuasion' and
	be trustworthy to	Explain why work	things that are	Demonstrate how to	search for	how to make choices	explain how
	share this	children create using	imaginary, 'made	use key phrases in	information within a	about what is	someone might
	information with;	technology belongs	up', or 'make believe'	search engines to	wide group of	trustworthy.	encounter these
	explain why they are	to them	and things that are	gather accurate	technologies and		
	trusted.		'true' or 'real'	information online.	make a judgement	Identify ways the	Understand the
		Understand that			about the probable	internet can draw us	concept of
	Know that work I	work made by others	Explain why some	Explain the	accuracy	to information for	persuasive design
	create belongs to me	does not belong to	information I find	difference between a		different agendas.	and how it can be
		me even if I save a	online may not be	belief, an opinion	Describe some of the		used to influence
	Name my work so	сору.	real or true.	and a fact and give	methods used to	Knows ways to	peoples' choices.
	that others know it			examples of how and	encourage people to	identifying when	
	belongs to me		Explains simple	where they might be	buy things online	online content has	Demonstrate how to
			guidance for using	shared online.		been commercially	analyse and evaluate
	Share my work with		technology in		Understands that	sponsored or	the validity of facts
	a friend		different	Describe simple	lots of people sharing	boosted	and information
			environments and	strategies for	the same opinions or		online
			settings	creating and keeping	beliefs online do not	Knows how	
				passwords private.	make those beliefs or	'stereotypes' are	Explain now
			Knows now to use		opinions true.	amplified and	companies and news
			passwords to protect	Describe how	Kanada ka ka sa Cha	reinforced online	providers target
			Information,	connected devices	Knows the benefits	Described have failed	people with online
			accounts and	can collect and share	and risks of	Describe now take	news stories they are
			devices.	anyone's information	technology that can	news may affect	more likely to engage
			Evolain como rulos	with others.	be designed to act	someone's emotions	with and now to
			for keeping personal	Eveloin why conving	living things		recognise this.
			information private	explain why copying	inving trings	Domonstrato how to	Describe the
			information private	from the internet	Explain what is	croate a strong	difference between
			Recognises that	without permission	meant by fake nows	naceword	online
			content on the	isn't fair and what	meant by lake news	passworu	misinformation and
			internet may belong	nrohlems this might	Describe strategies	Describe how many	disinformation
			to other people	cause	for keening nersonal	free anns or services	distribution
			to other people.	Cause	information private	may read and share	Understand that
					depending on	nrivate information	information that is
					context	with others	on a large number of
					CONTEXT.	with others	on a large number of

						Describe and know how to respond appropriately if online services seek consent to store personal information Knows what the digital age of consent is and the impact this has on online services asking for consent. Explain the need to consider who owns information online and whether I have the right to use it. Give examples of content which I must not use without permission from the owner	Explain what app permissions Assess and justify when it is acceptable to use the work of others. Give examples of content that is permitted to be reused and know how this content can be found online.	sites may still be inaccurate or untrue Identify, flag and report inappropriate content Describe effective ways people can manage passwords and what to do if a password is shared, lost or stolen. Describe how and why people should keep their software and apps up to Describe simple ways to increase privacy on apps and services that provide privacy settings Describe strategies to help me identify and deal with content which targets people to gain money or information illegally Demonstrate how to make references to and acknowledge sources I have used from the internet
Computer	Unplugged and	Unplugged and	Unplugged and	Unplugged and	Purple Mash- Coding	Scratch	Scratch	Scratch
Science	programmable toys	programmable toys	programmable toys	programmable toys	read and explain a	(smoking car game)	(crab maze)	(number bond game)
	Tinker with	Connect and	Give instructions to a	Give instructions to a	flowchart	Use logical thinking	Decompose a	Deconstruct a
🗰 📑 📦	programmable toys	disconnect the blocks	friend and follow	friend (using	use a flowshart to	to solve an open-	problem into smaller	problem into smaller
		on the Code-a-Pillar	move around.	and turn) and	create a computer	breaking it up into	algorithm for a	sieps, recognising
	Make the	Press the buttons on		physically follow	program.	smaller parts.	specific outcome and	solutions used
	programmable toy	programmable toys	Describe what	their instructions.			use this to write a	before.
	stop and go	to make them move	happens when				program.	

		buttons are pressed	Follow a set of	create a computer	Use an efficient		Review and
Follow simple 1, 2	Follow instructions	on a robot. (Code a	instructions and	program that uses	procedure to	Change costumes on	deconstruct existing
and 3 step	given by an adult or	Pillar/ programmable	debug them to	click events and	decompose a game	sprites to give an	games
instructions	peer	toy)	improve the	timers		animation effect	
			outcome		Use the events and		Recognise when they
	Give someone else	Stack the pieces of	Explain the order I	create a program	motion blocks	Use a 'forever' block	need to use a
	simple instructions to	the Code a Pillar's	need to do things to	that uses a timer-	including the 'when'	within code	variable to achieve a
	follow a nath	hody in the correct	make something	after command	block	Within code	required output
		order to make it do	hannen and talk		biock	Lise 'if' commands	required output.
		what they want	about this as an	create a program	Edit and adapt the	for conditional	Lise a variable block
		what they want.	about this as an	that uses a timer	background to croate	coloction	to croate a score and
		Doscribo what	algorithm.	overy command	a road for a car to	Selection	to create a score and
		actions I will need to	Brogram	every command	travel on	Lice a variable to	custom
		de to make	Programmable tou to	use the repeat	traveron		system
		uu tu make	follow a particular	use the repeat	Lice direction kove	noiu a score	Lice consing block
		something happen	TOHOW a particular	command with an	Use direction keys	the lested seconds a	Use sensing block
		and begin to use the	path.	object.	teamed with motion	Use logical reasoning	ask and walt
		word 'algorithm'.			blocks to enable the	to detect and debug	
			Look at a friend's	run, test and debug	car to move	mistakes in a	Use operator blocks
		Begin to predict what	program and tell you	their programs.		program.	to help ask and
		will happen for a	what will happen.		Recognise an error in		answer a question
		short sequence of		use the attributes	a program and debug	Use logical thinking,	
		instructions.	describe the	(properties) table to	it.	imagination and	Use 'ifthenelse'
			algorithms they	set the attributes of		creativity to extend a	block
		Purple Mash- Coding	created.	objects	Recognise that an	program.	
		arrange code blocks			algorithm will help		Use 'forever' block
		to create a set of	Purple Mash- Coding	plan their scene and	sequence more		
		instructions.	plan an algorithm	code before they	complex programs.		<u>Crumble</u>
			that includes	create their program.			
		create a program	collision detection				Use different inputs
		using code blocks.		confidently make			(including sensors) to
			create a program	several different			control a device or
		use event, object and	using collision	things happen in a			onscreen action and
		action code blocks	detection.	program			predict what will
							happen.
		notice when their	read blocks of code	Scratch			
		code executes when	and predict what will				Connect and
		their program is run	happen when it is	Write an algorithm in			program the Crumble
			run	a flow chart			Connect the
		edit a scene by					ultrasonic sensor
		adding, deleting and	create a program	Understand and use			Connect a motor
		moving objects	that uses a timer-	repetition within			Connect a sparkle
		U V	after command	algorithms and			
		change the size of		programs			Use abstraction to
		objects using the	explain what the				decide which
		attributes	timer-after	Use a range of inputs			information is
		(properties) table	command does in	and selection within			important and needs
			their program	a program			to be included
				a p. 00. a			

	create a design plan	create a computer	Identify inputs on a		design, write and
	for their Free Code	program that	range of devices		debug a program to
	Scene program	includes different	Dian a program in		control a physical
	use code to make the	object types	Scratch using inputs		system
	negram they have	modify the attributes	ropotition and		
	designed work	(properties) of an	selection		repetition and
	designed work.	object	Sciection		selection
	Use the word 'debug'	00,000			Sciection
	when mistakes are	use different events			Conditional
	corrected when	in their program to			selection-
	programming.	make objects move			'ifelseend if' block
	Begin to use	include a button and			Challenge- use an 'or'
	software/apps to	explain what it does			logic operator
	create movement	in their program			
	and patterns on a				
	screen. (Daisy the	explain what debug			
	Dinosaur, Scratch Jr)	(debugging) means.			
		debug simple			
		programs.			
		Scratch Jr app			
		use blocks for			
		use blocks for			
		different directions			
		uncrent uncetions			
		use different end			
		blocks, including			
		repeat forever			
		change the size of			
		characters to grow or			
		shrink			
		hide and show			
		characters with an			
		instruction block			
		program two or			
		more characters with			
		instructions at the			
		same time.			

	hide and show				
	characters with an				
	instruction block				
	program two or				
	more characters with				
	instructions at the				
	same time				
	Same time.				
Handling	Spreadsheets-	Spreadsheets-	Spreadsheets-	Spreadsheets-	Spreadsheets-
Data	2Calculate in Purple	2Calculate in Purple	2Calculate in Purple	2Calculate in Purple	Microsoft Excel
Data	Mash	Mach	Mach	Mach	WICHOSOTE EXCEL
	Wash	IVIGSII	IVIGSII	IVIGSII	use a spreadsheet to
	Explain what rows	create a table of data	use the number	create a formula in a	corry out basic
	Explain what rows	create a table of uata	formatting tools	create a formula in a	cally out basic
	and columns are in a	on a spreadsheet	within 2 Coloulate to	spreausneet to	addition subtraction
	spreadsheet	use a spreadsheat	within 2Calculate to	convert in to citi	adultion, subtraction,
	anon sous and adde	use a spreadsneet	appropriately format	apply this to prosting	division formulas
	open, save and edit a	program to	numbers	apply this to creating	uivision formulae
	spreadsneet	automatically create	and the former data as	a spreadsneet that	use the series fill
		charts and graphs	add a formula to a	converts miles to km	TUNCTION
	add images from the	from data	cell to automatically	and vice versa	
	image toolbox and		make a calculation in		recognise how using
	allocate them a value	use the 'more than',	that cell	use a spreadsheet to	formulae allows the
		'less than' and		work out which	data to change and
	add the count tool to	'equals' tools to	use the timer,	letters appear most	the calculations to
	count items	compare different	random number and	often	update automatically
		numbers and help to	spin button tools		
	use copying, cutting	work out solutions to		use the 'how many'	use a spreadsheet to
	and pasting to help	calculations	combine tools to	tool	model a situation
	make spreadsheets		make fun ways to		
		use the 'spin' tool to	explore number	use a spreadsheet to	use a spreadsheet to
	use tools in a	count through times		work out the area	solve a problem
	spreadsheet to	tables	use a series of data	and perimeter of	
	automatically total		in a spreadsheet to	rectangles	use the SUM
	rows and columns	describe a cell	create a line graph		function
		location in a		use these	
	use a spreadsheet to	spreadsheet using	use a line graph to	calculations to solve	use a variety of
	solve a mathematical	the notation of a	find out when the	a real-life problem	methods including
	puzzle	letter for the column	temperature in the		flash fill, convert text
		followed by a	playground will reach	create simple	to tables and
	use images in a	number for the row	20°C.	formulae that use	splitting cells for
	spreadsheet			different variables	organising and
		find specified	make practical use of		presenting their data
	work out how much	locations in a	a spreadsheet to	create a formula that	in a spreadsheet
	they need to pay	spreadsheet	help them plan	will work out how	
	using coins by using a		actions	many days there are	understand how to
	spreadsheet to help			in x number of weeks	sort data
	calculate			or vears	

				create a table of data on a spreadsheet. use the data to create a block graph manually		use the currency formatting in 2Calculate allocate values to images and use these to explore place value use a spreadsheet made in 2Calculate to check their understanding of a mathematical concept	use a spreadsheet to model a real-life situation and come up with solutions that can be practically applied	know how to incorporate formulae for percentages, averages, max and min into their spreadsheets know some shortcuts that help to make data meaningful know that there are ways to represent their data graphically and that spreadsheets can make the process of representing data easier
Multimedia	Use 2Paint to make marks	Use 2Paint to colour pictures	Be creative with different technology tools. (PM, Seesaw) Use technology to create and present my ideas. (Seesaw, Paint, PM)	Use technology to organise and present my ideas in different ways. (Seesaw, paint, PM)	Create different effects with different technology tools. (PM, Paint, Seesaw) Combine a mixture of text, graphics and sound to share my ideas and learning. (Seesaw) Evaluate my work and improve its effectiveness.	Purple Mash unit4.6- AnimationDecide what makes a good, animated film or cartoon and discuss favourite animationslearn how animations are created by hand.To find out how 2Animate animations can be created in a similar way using technology.To learn about onion skinning in animation.To add backgrounds and sounds to animations.Introducing 'stop motion' animation.	Powerpoint- animation Use shapes and animations in PowerPoint to create an animation of the phases of the moon Review and improve own work and support others to improve their work.	Purple Mash unit- Blogging

						To share animation		
						the class blog		
						Give constructive		
						feedback to peers to		
						help them improve		
						their work and refine		
						my own work.		
Technology	Name some	Recognise that	Purple Mash-	Purple Mash-	NCCE Network unit	NCCE Network unit	NCCE Network unit	
in our lives	different types of	some of the	Technology	Effective Searching	Connecting	The Internet	Communication and	
	devices	devices we use	Outside School		<u>Computers</u>		collaboration	
\bigcirc		allow us to use the		identify the basic		describe the internet		
~		internet	understand what is	parts of a woh	Explain that digital	as a network of	recognise that data is	
		internet	meant by	parts of a web	devices accept inputs	networks	transforred using	
48 E9			the charles w	search engine			transferred using	
			technology	search page	Explain that digital	demonstrate how	agreed methods	
			December 11		devices produce	information is		
			Recognise the way	read a web search	outputs	snared across the	explain that internet	
			we use technology	results page.		internet	devices have	
			in our classroom.		classify input and	dia a cara contra c	addresses	
				search the Internet	output devices	discuss why a		
			find and	for answers to a		network needs	describe how	
			understand	quiz	design a digital	protecting	computors uso	
			examples of where		device	describe networked	computers use	
			technology is used			devices and how	addresses to access	
			in the local		describe a simple	they connect	websites	
			community		process	they connect		
			communey			explain that the	identify and explain	
			Pocognico ways		evolain how Luse	internet is used to	the main parts of a	
			thet technology is		digital devices for	provide many	data packet	
			that technology is		different activities	services		
			used in my nome				explain that data is	
			and community.		rocognico cimilarities	recognise that the	transferred over	
					hetween using digital	World Wide Web	notworks in poskets	
			Begin to identify		devices and non-	contains websites	networks in packets	
			some of the			and web pages	explain that all data	
			benefits of using				transferred over the	
			technology		auggest differences	explain the types of	internet is in packets	
					suggest anterences	media that can be	I can recognise how	
					devices and non	shared on the WWW	to access shared files	
					digital tool		stored online	
						describe where		
					1. 1100 · ·	websites are stored	send information	
					recognise different	when uploaded to	over the internet in	
					connections	the WWW	different ways	
							different ways	

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			describe how to	explain that the	
		explain how	access websites on	internet allows	
		messages are passed	the WWW	different media to be	
		through multiple	evelete voleet veedte	shared I can identify	
		connections	explain what media	different ways of	
			wobsitos	working together	
		discuss why we need	WEDSILES	online	
		a network switch	recognise that I can		
			add content to the	recognise that	
		recognise that a	WWW	working together on	
		computer network is		the internet can be	
		number of devices	explain that internet		
		number of devices	services can be used	public or private	
		domonstrato hou	to create content		
		information can be	online	explain how the	
		nassed between		internet enables	
		devices	explain that	effective	
			content are created	collaboration	
		evolain the role of a	hy neonle		
		switch, server, and	by people	explain the different	
		wireless access point	suggest who owns	ways in which people	
		in a network	the content on	communicate	
			websites		
		identify how devices		identify that there	
		in a network are	explain that there	are a variety of ways	
		connected together	are rules to protect	to communicate over	
			content	the internet	
		identify networked	evel a te at a st	the internet	
		devices around me	explain that not	shaasa mathada af	
			World Wide Web is	choose methous of	
		identify the benefits	true	communication to	
		of computer		suit particular	
		networks	explain why some	purposes	
			information I find		
			online may not be	compare different	
			honest, accurate, or	methods of	
			legal	communicating on	
				the internet	
			explain why I need		
			to think carefully	decide when I should	
			reshare content	and should not share	
			i esilar e content	information online	

			explain that	
			communication on	
			the internet may not	
			be private	