EYFS	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
- Use different digital	- Recognise a range of	- Recognise what a	- Describe what a	- Recognise that you can	- Type using fingers on	- Type efficiently using
devices.	digital devices.	computer is (input >	computer is (input >	organise files using	both hands.	both hands.
- Recognise that you can	- Select a digital device to	process > output).	process > output).	folders.	- Use common keyboard	- Use a range of keyboard
access content on a	fulfil a specific task, e.g.	- Recognise that a range	- Explain the difference	- Explain what a good file	shortcuts, e.g. ctrl C	shortcuts.
digital device.	to take a photo.	of digital devices contain	between input and	name would look like.	(copy), ctrl V (paste).	- Recognise that different
- Use a mouse,	- Name a range of digital	computers, e.g. phone,	output devices on a	- Delete and move files.	- Explain what makes a	devices may have
touchscreen or	devices, e.g. laptop,	games console, smart	computer.	- Use key parts of a	strong password.	different operating
appropriate access device	phone, games console.	speaker.	- Know where to save and	keyboard effectively, e.g.	- Use folders to organise	systems.
to target and select	- Log on to the school	- Explain what the basic	open files (e.g. in shared	shift, arrow keys, delete).	files.	- Organise files effectively
options on screen.	computer / unlock the	parts of a computer are	folder).	- Know how to copy and	- Know how to mute and	using folders and files
- Recognise a selection of	school tablet with	used for.	- Save files with	paste text or images in a	unmute audio on a	names.
digital devices.	support.	- Identify and use input	appropriate names.	document.	computer or tablet.	- Use the advanced search
- Recognise the basic	- Identify the basic parts	devices, e.g. mouse,	- Use a keyboard	- Crop an image and apply	- Recognise that there is	tools when using a search
parts of a computer, e.g.	of a	keyboard; and output	effectively to type in text.	simple filters.	more than one search	engine to find specific
mouse, screen, keyboard.	computer, e.g. mouse,	devices, e.g. speakers,	- Use left-, right- and	- Use a search engine to	engine, and they may	information and images.
- Select a digital device to	keyboard, screen.	screen.	double-click on the	find specific information.	produce different results.	- Explain the basic
fulfil a specific task, e.g.	- Use a suitable access	- Open key applications	mouse.	- Recognise that school	- Use a search engine	function of an operating
to take a photo.	device (mouse, keyboard,	independently.	- Add an image to a	computers are connected	effectively to find	system.
	touchscreen, switch) to	- Save and open files	document from the	together on a network.	information and images.	- Recognise common file
	access and control an	to/from a given folder.	internet.		- Know how to search for	types and extensions e.g.
	activity on a computer.	- Add an image to a	- Resize and move an		an application on a	jpeg, png, doc, wav
	- Open key applications	document from a given	image in a document.		computer/tablet.	- Recognise a range of
	independently.	folder/source.	- Use a search engine to			Internet services, e.g.
	- Save and open files with	- Resize an image in a	find simple information.			email, VOIP (e.g. Skype,
	support.	document Highlight text	- Recognise that school			FaceTime), World Wide
	- Add an image to a	and use arrow keys.	computers are connected.			Web, and what they do.
	document from a given	- Capture media				
	folder/source with	independently (e.g. take				
	support.	photos, record audio).				

Digital	Literacy
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EYFS	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
- Are aware that	- Use a simple	- Remember a simple	- Explain why we	- Remember and use	- Know where to find	- Explain what makes
some online content	password when	password to log onto	need to keep our	an individual	copyright free images	a strong password
is inappropriate.	logging on, where	the computer or a	password safe.	password.	and audio, and why	and why this is
- Are aware that	relevant.	website Identify	- Recognise that	- Recognise what	this is important.	important at school
information can be	- Explain why we use	rules for acceptable	digital content	kinds of websites are	- Critically evaluate	and in the wider
public or private.	passwords.	use of technology in	belongs to the person	trustworthy sources	websites for reliability	world.
- Know to tell an	- Recognise examples	school.	who first created it,	of information.	of information and	- Explain how
appropriate adult if	of personal	- Recognise what	but we can give	- Recognise the	authenticity.	algorithms are used
they see something	information e.g.	personal information	permission for others	benefits and risks of	- Demonstrate	to track online
on the computer	name, image.	is and the need to	to use it.	different apps and	responsible use of a	activities with a view
that upsets them.	- Know who to tell if	keep it private.	- Recognise when to	websites Recognise	online services, and	to targeting
	concerned about	- Recognise that	share personal	that the media can	know a range of ways	advertising and
	content or contact	spending a lot of time	information and when	portray groups of	to report concerns.	information.
	online Recognise	in front of a screen	not to Recognise	people differently		- Know that there are
	that digital content	can be unhealthy.	that some people lie	Can rate a game or		laws around the
	belongs to the person	- Recognise that	about who they are	film they have made		purchase of games;
	who created it Talk	some information	online.	and explain their		the production,
	about their use of	found online may not	- Are aware that	rating.		sending and storage
	technology at home.	be true.	games and films have			of images; what is
			age ratings.			written online; and
						around online
						gambling.

		Preser	nting Information & Mult	imedia		
EYFS	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
 Use technology to explore and access digital content. Operate a digital device with support to fulfil a task. Create simple digital content, e.g. digital art. Choose media to convey information, e.g. image for a poster. 	- Create digital content, e.g. digital art Choose media from a selection (e.g. images, video, sound) to present information on a topic Recognise that you can find out information from a website Recognise that you can edit digital content to change its appearance Select basic tools/options to change the appearance of digital content, e.g. filter on an image / font / size of paintbrush Combine media with support to present information, e.g. text and images.	- Create simple digital content for a purpose, e.g. digital art Recognise that we can use technology to record and playback audio or take and view photographs Apply edits to digital content to achieve a particular effect, e.g. emphasise part of a text Present ideas and information by combining media, e.g. text and images Explain that you can search for information on the internet Plan out digital content, e.g. a simple sketch or storyboard Identify the common features of digital content, e.g. title, images Recognise that we can use different types of media to convey information, e.g. text, image, audio, video.	- Present ideas and information by combining media independently, e.g. text and images Design and create simple digital content for a purpose/audience, e.g. poster Edit digital content to improve it, e.g. resize text Identify the features of a good piece of digital content Explain why we use technology to create digital content Recognise why we use different types of media to convey information, e.g. text, image, audio, video.	- Collect, organise and present information using a range of media Design and create digital content for a specific purpose, e.g. poster, animation Edit digital content to improve it according to feedback Identify the features of a good piece of digital content and apply these in own design Explain the benefits of using technology to present information Know where to find copyright free content, e.g. creative commons images Collaborate with peers using online tools, e.g. blogs, Google Drive, Office 365, if available.	- Identify and use appropriate hardware and software to fulfil a specific task Remix and edit a range of existing and their own media to create content Consider the audience when designing and creating digital content Recognise the benefits of using technology to collaborate with others - Identify success criteria for creating digital content for a given purpose and audience Evaluate their own content against success criteria and make improvements accordingly.	- Select, combine and remix a range of media to create original content. - Consider all steps of the design process when creating content (e.g. identify problem, plan, create, evaluate, share.) - Identify the most effective tools to present information for a specific purpose. - Explain the benefits of using technology to collaborate with others. - Evaluate existing digital content in terms of effectiveness and design.

			Data			
EYFS	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
- Access content in a range of formats, e.g. image, video, audio Answer basic questions about information displayed in images e.g. more or less.	- Recognise different forms of digital content, i.e. text, image, video and audio Collect simple data (e.g. likes/dislikes) on a topic Present simple data using images, e.g. number of animals Recognise charts and pictograms and why we use them Explain information shown in a simple chart or pictogram Modify simple charts/pictograms, e.g. add title, item or labels Identify the key features of a chart or pictogram Collect data on a topic (eye colour, pets etc.) and present in a pictogram or chart.	- Identify different forms of digital content, i.e. text, image, video and audio Recognise charts, pictograms and branching databases, and why we use them Identify an object using a branching database - Recognise an error in a branching database Create a branching database using pre-prepared images and questions - Identify the features of a good question in a branching database Independently plan out and create a branching database Independently plan out and create a given branching database and suggest improvements.	- Recognise charts, pictograms and databases, and why we use them Present information using a suitable chart - Explore a record card database to find out information Use filters in a database to find out specific information Name the key parts of a database, e.g. record, field, search Answer questions about information in a database Name some benefits of using a computer to create charts and databases Recognise that search engines store information in databases.	- Draw conclusions from information stored in a database, chart or table Design a questionnaire and collect a range of data on a theme Choose appropriate formats to present data to convey information Recognise that school computers are connected together on a network Recognise that the Internet is made up of computers and other digital devices connected together all around the world Know that you use a web browser to access information stored on the internet Appreciate that you need to use specific software to work with video, images, audio etc.	- Explain the difference between data and information Appreciate that different programs work with different types of data, e.g. text, number, video Explain the difference between the Internet and the World Wide Web Know the difference between a search engine and a web browser Explain the basics of how search engines work, and that different search engines may give different results Perform complex searches for information using advanced settings in search engines Recognise the benefits and risks of sharing data online.	- Recognise what a spreadsheet is and what it is used for Explain the difference between physical, mobile and wireless networks Use simple formulae in a spreadsheet to find out information from a set of data Collect data for a purpose and plan out a spreadsheet to present it effectively, using relevant formulae Produce graphs from data in a spreadsheet to answer a question Analyse and evaluate data and information in a spreadsheet, chart or database Recognise that poor quality data leads to unreliable results.

Programming	& Algorithms
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EYFS	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
- Explore technology.	- Recognise that	- Explain that computers	- Predict the outcome of	- Create a program using	- Name a range of sensors	- Design and program a
- Repeat an action with	computers don't have a	have no intelligence and	a block or text based	a range of events/inputs	in	physical computing
technology to trigger a	brain.	we have to program	program (Scratch/Logo).	to control what	physical systems.	system that uses sensors.
specific outcome.	- Explain that we control	them to do things.	- Successfully modify an	happens.	- Recognise that different	- Recognise and use
- Recognise the success	computers by giving them	- Create a program with	existing program, e.g.	- Recognise that we can	solutions may exist for	procedures
or failure of an action.	instructions.	multiple steps e.g. to	change background,	decompose a problem	the same problem.	(sub-routines) in
- Follow simple	- Create a simple program	control a floor robot.	number of times things	into smaller parts to help	- Predict what will happen	programs.
instructions to control a	e.g. to control a floor	- Predict the outcome of	happen.	solve it.	in a program or	- Plan out a program in
digital device.	robot.	an algorithm or program	- Identify repeated steps	- Explain when to use	algorithm when the input	detail, including task,
- Recognise that we	- Create a simple	with	in a program or	forever loops and	changes (e.g. sensor, data	algorithm, code and
control	algorithm.	multiple steps.	algorithm.	count-controlled loops,	or event).	execution level.
computers.	- Predict the outcome of	- Recognise that the	- Create examples of	and use them in	- Use two-way selection	- Explain common errors
- Input a short sequence	a simple algorithm or	instructions in an	algorithms containing	programs.	in programs and	in
of	program.	algorithm need to be	count-controlled loops.	- Recognise selection in a	algorithms, i.e.	programs and how to fix
instructions to control a	- Explain what an	clear and unambiguous.	- Use a count-controlled	program or algorithm.	ifthenelse	them.
device.	algorithm is – a sequence	- Identify and correct	loop (e.g. repeat 3 times)	- Use selection in	- Recognise variables in a	- Use nested selection
	of instructions to make	errors in a given	to make a program more	algorithms in programs	program and what they	statements in a program
	something happen.	algorithm or program, and	efficient.	to alter what happens	do.	or algorithm effectively.
	- Recognise that the	recognise the term	- Recognise that we can	when a condition	- Create programs	- Combine a variable with
	order of instructions in	debugging.	create an algorithm to	changes, e.g. ifthen	including repeat until	relational operators (< =
	an algorithm is	- Explain what an	help plan out a program.	- Design a program for a	loops.	>) to determine when a
	important.	algorithm is, and that	- Recognise a forever loop	purpose. Decompose	- Create and use simple	program changes, e.g. if
	- Debug an error in a	when inputted on a	in a program or	into parts and create an	variables, e.g. to keep	score > 5, say "well
	simple algorithm or	computer it is called a	algorithm.	algorithm for each one.	score.	done".
	program e.g. for a floor	program.	- Use a forever loop in a	- Recognise common	- Evaluate a program and	- Recognise key concepts
	robot.	- Plan out a program by	program to keep	mistakes in programs and	make improvements to	(sequence, selection,
		creating an algorithm, and	something happening.	how to correct them.	the code or design	repetition and variables)
		evaluate its success.	- Identify errors in a block		accordingly.	in a range of languages
			or text-based program		- Create an algorithm for	and contexts.
			and correct them.		a physical system	
			- Recognise that different		containing a sensor.	

control a program.			inputs can be used to control a program.			
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