Computing Progression

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
	 Develop small motor skills so that they can use a range of tools competently, safely and confidently. 	Use letter, number, and space keys to enter text	Decide which photos to keep	Recognise how text and images can be used together to convey information Define landscape and postspit	Recognise how text and images can be used together to convey information Define leadescee and earthrait	objects	Identify that a vector drawing comprises severa objects
	 confidently. Explore, use and refine a variety of artistic effects to express their ideas and feelings. 	 Use punctuation and special characters Use the backspace key to remove text Use undo 	Use zoom to change the composition of a photo	 Define landscape and portrait Change a page orientation Organise text and image placeholders 	 Define landscape and portrait Change a page orientation Organise text and image placeholders 	 Add an object to a vector drawing Select one or multiple objects Delete an object 	 Add an object to a vector drawing Select one or multiple objects Delete an object
		 Position the text cursor in a chosen location Change the appearance of text on a computer 	 Use filters to edit the appearance of a 	Add and remove imagesEdit text in a placeholder	Add and remove imagesEdit text in a placeholder	 Move objects between layers Group and ungroup objects 	Move objects between layers Group and ungroup objects
Creating media		Consider the impact of choices made	Improve a photo by retaking it	 Move resize and rotate images Choose fonts and apply effects to text 	 Move resize and rotate images Choose fonts and apply effects to text 	Duplicate objectsModify objects	 Duplicate objects Modify objects
				 Review a document Use an application to change a digital image Add to the composition to an image 	 Review a document Use an application to change a digital image Add to the composition to an image 	 Reposition objects Create a vector drawing for a given purpose	 Reposition objects Create a vector drawing for a given purpose
				 Rotate and flip an image Adjust the colour of an image	 Rotate and flip an image Adjust the colour of an image	 Position 3D shapes relative to one another Use digital tools to modify digital objects 	 Position 3D shapes relative to one another Use digital tools to modify digital objects
				 Apply effects to a digital image Clone, copy and paste an image 	 Apply effects to a digital image Clone, copy and paste an image	 Combine objects to create a 3D digital artifact Use digital tools to accurately size 3D objects Construct a 3D model which reflects a real world 	 Combine objects to create a 3D digital artifact Use digital tools to accurately size 3D objects Construct a 3D model which reflects a real work
	. Curley have this as weak			Choose an appropriate tool for a particular purpose	Choose an appropriate tool for a particular purpose	object	object
	Explore how things work	 Choose a piece of technology to do a job Recognise that some technology can be used in different ways 	Identify information technology in school	 Identify input and output devices Describe in input Explain that a process acts on inputs 	 Identify input and output devices Describe in input Explain that a process acts on inputs 	 Describe the input and output of a search engine Demonstrate that different search terms 	 Describe the input and output of a search engine Demonstrate that different search terms
		 Identify the main parts of a computer Use a keyboard to type 	 Show how to use information technology safely 	 Explain that an output is produced by a process Recognise that computers can be connected to 	 Explain that an output is produced by a process Recognise that computers can be connected to 	 produce different results Explain that ranking orders search results to 	 Demonstrate that different results Explain that ranking orders search results to
Computing		 Use a keyboard to edit text Show how to use technology safely 		each other • Identify benefits of networks	each other Identify benefits of networks 	make them more useful • Explain how search results are selected	make them more useful • Explain how search results are selected
systems and				Explain how a network can be used to share information	Explain how a network can be used to share information	Evaluate the results of search termsOutline methods of communicating and	Evaluate the results of search termsOutline methods of communicating and
networks				 Describe how networks connect to other networks Recognise the need for security on the internet 	 Describe how networks connect to other networks Recognise the need for security on the internet 	collaborating using the internet choose methods of internet communication 	collaborating using the internet • choose methods of internet communication
				 Recognise the world wide web is part of the internet 	 Recognise the world wide web is part of the internet 	 and collaboration for given purposes Evaluate different methods of online 	and collaboration for given purposesEvaluate different methods of online
				Describe how to access the world wide webExplain the benefits of the world wide web	Describe how to access the world wide webExplain the benefits of the world wide web	 communication and collaboration Decide what you should and should not share online 	 communication and collaboration Decide what you should and should not share online
		 Identify some attributes of an object Collect simple data 	,	Enter data into cellsCreate a table of data	 Enter data into cells Create a table of data 	Use cell notation Use cell formatting	Use cell notation Use cell formatting
		 Describe the properties of an object Choose an attribute to group objects by 	 Recognise that people, animals and objects can be described by attributes 	Use cell referencesUse tools to automatically total data	Use cell referencesUse tools to automatically total data	 Create a table of multi-type data Type into the formula bar to create formulae 	 Create a table of multi-type data Type into the formula bar to create formulae
Data and		Group objects to answer questionsDescribe a group of objects	• Ose pierograms to answer single attribute	Format text	Write simple formulaeFormat text	for cells Copy formula into multiple cells 	for cells Copy formula into multiple cells
information			 Use a computer to answer comparison questions 	 Create automatic charts and graphs from data Use a digital device to collect data Choose how often to collect data 	 Create automatic charts and graphs from data Use a digital device to collect data Choose how often to collect data 	 Use formula and calculations to solve real life problems 	Use formula and calculations to solve real life problems
				Use a computer program to sort data Export information in different formats	 Use data to find information Use a computer program to sort data Export information in different formats 	Use the formulae wizard to create complex formulae	Use the formulae wizard to create complex formulae
Programming	 Show resilience and perseverance in the face of a challenge 	Explain what a given command doesMatch a command to an outcome	sequence	Explain that objects in Scratch have attributesIdentify the objects in a Scratch project	Explain that objects in Scratch have attributesIdentify the objects in a Scratch project	Design sequences which use count-controlled loops	Design sequences which use count-controller loops
	 Follow instructions Give instructions Observe inputs have an output 	Understand that a program is a set of commands that a computer can run	 Explain what happens when we change the order of instructions Choose a series of instructions that can be run as 	 Recognise that commands in Scratch are represented as blocks Create a program following a design 	 Recognise that commands in Scratch are represented as blocks Create a program following a design 	 Use section to direct the flow of a program Test and debug a project 	Use section to direct the flow of a programTest and debug a project
		 Predict the outcome of a command Run a command on a floor robot Puild a sequence of semmands is store. 	a program	Create a program following a design Create a sequence of commands Start a program in different ways	 Create a program following a design Create a sequence of commands Start a program in different ways 	Recognise that variables can be changed Design a conditional loop Test and dobug a program	Recognise that variables can be changed Design a conditional loop Tast and dobug a program
		Build a sequence of commands in stepsRun a program on a device	Trace a sequence to make a prediction	Combine sound commandsBuild a sequence of commands	Combine sound commandsBuild a sequence of commands	 Test and debug a program Identify that variables can hold numbers or letters 	 Test and debug a program Identify that variables can hold numbers o letters
			Create and debug a program	 Make design choices Test my algorithm 	Make design choicesTest my algorithm	Explain design choicesChoose artwork for a project	Explain design choicesChoose artwork for a project
				Use a count-controlled loop	Use a count-controlled loop	 Evaluate games created by others Identify improvements to a game 	 Evaluate games created by others Identify improvements to a game
Online Safety	• Know and talk about the different factors that support their overall health and	 identify what things count as personal information; 	 identify what things count as personal information; 	 reflect on their own digital footprint and behaviour online; 	 reflect on their own digital footprint and behaviour online; 	 protect their password and other personal information; 	•protect their password and other personal information;
	wellbeing: -sensible amounts of 'screen time'Identify some positives and some dangers of	 identify what is appropriate and inappropriate behaviour on the internet; 	 identify what is appropriate and inappropriate behaviour on the internet; 	• identify what is appropriate and inappropriate behaviour on the internet, recognising the term	• identify what is appropriate and inappropriate behaviour on the internet, recognising the term	 be a good online citizen and friend; judge what sort of privacy settings might be 	 be a good online citizen and friend; judge what sort of privacy settings might be
	using devices	 agree and follow sensible online safety rules, e.g. taking pictures, sharing information, storing 		 cyberbullying; agree and follow sensible online safety rules, e.g. taking pictures, sharing information, storing 	 cyberbullying; agree and follow sensible online safety rules, e.g. taking pictures, sharing information, storing 	Seek help from an addit when they see something	
		 passwords; seek help from an adult when they see 	 passwords; seek help from an adult when they see 	seek help from an adult when they see	passwords;seek help from an adult when they see	that is unexpected or worrying; •discuss scenarios involving online risk;	that is unexpected or worrying; • discuss scenarios involving online risk;
		 something that is unexpected or worrying; demonstrate how to safely open and close applications and log on and log off from 	 something that is unexpected or worrying; demonstrate how to safely open and close applications and log on and log off from 	something that is unexpected or worrying; • demonstrate understanding of age-appropriate	something that is unexpected or worrying; • demonstrate understanding of age-appropriate	 use key vocabulary to demonstrate knowledge and understanding in this strand: spam, link, privacy virus scam, phishing, index virus sender. 	 use key vocabulary to demonstrate knowledge and understanding in this strand: spam, link, privacy visus scam, phishing, inher sink, sender
		applications and log on and log off from websites;use key vocabulary to demonstrate knowledge	applications and log on and log off from websites;use key vocabulary to demonstrate knowledge	 websites and adverts; use key vocabulary to demonstrate knowledge and understanding in this strand sofe, most 	 websites and adverts; use key vocabulary to demonstrate knowledge and understanding in this standu safe meet 	privacy, virus, scam, phishing, inbox, junk, sender, subject, secure, safe, account, online, private, social media, adverts, cyberbullying, reporting,	privacy, virus, scam, phishing, inbox, junk, sender, subject, secure, safe, account, online, private, social media, adverts, cyberbullying, reporting,
		and understanding in this strand: safe, meet,	and understanding in this strand: safe, meet,	and understanding in this strand: safe, meet,	and understanding in this strand: safe, meet,		

	accept, reliable, tell, online, trusted, adult, information, safety, personal, key, question, tell, safe, share, stranger, danger, internet.	accept, reliable, tell, online, trusted, adult, information, safety, personal, key, question, tell, safe, share, stranger, danger, internet.	accept, reliable, tell, online, trusted, adult, information, safety, personal, internet, world wide web, communicate, message, social media, email, password, cyberbullying/bullying, plagiarism, profiles, account, private, public.	accept, reliable, tell, online, trusted, adult, information, safety, personal, internet, world wide web, communicate, message, social media, email, password, cyberbullying/bullying, plagiarism, profiles, account, private, public.	anonymous, private/pers
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victim, fraud/fraudulent, policy,	
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anonymous, victim, fraud/fraudulent, policy, private/personal.