





	Nursery							
Computing	Autumn	Spring	Summer					
Early	There is no ELG for Tecnology but we feel it is	important that children learn how to use resour	ces safely and correctly					
Learning								
Goal	Keeping safe with	M	Late find and					
Unit	Keeping safe with Smartie the penguin	Moving around	Lets find out					
Programming		Make a Bee-Bot move by choose which buttons to press. Make a remote control car move along floor map Use programmable toys						
E – safety	Stay on the program that an adult has put on. Be kind to my friends when I use the computer. Adult to select website / program and other age appropriate Apps, programs and websites.							
Technology in the World Around Us			Talk about different kinds of information such as pictures and words. Move objects on a screen. Draw pictures on a computer/ iPad. 2Paint a Picture, Simple City, Doodle Buddy App. What is ICT used for ?					
Vocabulary	computer, click, drag, turn, pull, push, wind, lift, press, twist, button, log in, log out, sound, key, keyboard, laptop, monitor, mouse, mouse mat, headphones, camera, television, iPad, tablet, telephone, mobile phone, CD, DVD player, video, remote control, printer							
	Alongside this list, it is important to uses of it beyond the school, in their	ensure the children in both EYFS and homes and outside environment	I KS1 recognise technology and the					











	Reception							
Computing	Autumn	Spring	Summer					
Early Learning Goal	There is no ELG for Tecnology but we feel it is i	mportant that children learn how to use resource	ces safely and correctly					
Unit	Keeping safe with Buddy the dog	Moving around	Lets find out					
Programming	V V	Make a Bee-Bot move by choose which buttons to press. Make a remote control car move along floor map Use programmable toys						
E – safety	Stay on the program that an adult has put on. Be kind to my friends when I use the computer. Adult to select website / program and other age appropriate Apps, programs and websites.							
Technology in the World Around Us			Talk about different kinds of information such as pictures and words. Move objects on a screen. Draw pictures on a computer/ iPad. 2Paint a Picture, Simple City, Doodle Buddy App. What is ICT used for ?					
	Alongside this list, it is important to ensure the childre environment	rn in both EYFS and KS1 recognise technology and the us	ses of it beyond the school, in their homes and outside					
Vocabulary	computer, click, drag, turn, pull, push, wind, lift, press, twist, button, log in, log out, app, double click, interactive touchscreen, whiteboard, projector, speaker, sound, key, keyboard, laptop, monitor, mouse, mouse mat, headphones, camera, television, iPad, tablet, telephone, mobile phone, CD, DVD player, video, remote control, printer							











		Year One				
Computing	Autumn	Spring	Summer			
Unit	Online safety Online safety Online safety	Lego Builders Maze Explorers Books	Coding Spreadsheets Home Technology			
Substantive Knowledge		Lego Builders -To achieve a specific effect when building something, accurate instructions must be followed -Computer programs need precise instructions to follow, and these are called algorithms. - If instructions are vague, outcomes will vary for any given task. -The order of instructions for a task affects the results. - Correcting errors in an algorithm or program is called debugging. Maze Explorers -You can move a character (turtle) within specific computer programs around a computer screen such as 260 by using direction keys. -When a direction key is used it is known as a command. -On screen direction keys can have eight possible directions which includes diagonal movements. -Number keys can be combined with direction keys to give a program more accurate instructions and avoid less command clicks -Each square on a grid relates to 1 unit and that when using number keys. Coding -Tasks can be given to people and computers by using instructionsComputer programs work by following instructions called code known as algorithms. In both cases, these need to be clear and concise. -There are objects and action code block in the 2Code environment and that you can make a simple program using these. Each single instruction such as 'Object Right' is called a command. -An event is comething that makes a block of code run such as a user pressing a key or clicking a screen. Event, object and action code blocks can be used together -Debugging is when we fix code that isn't working how it was designed to	Animated Stories There is a difference between traditional books and ebooks. -Images can be created in an ebook software -Animations can be included in ebooks -Audio such as sound effects can be included -Text font and sizes can be changed -Copy and Pase features can be used. Spreadsheets -There are specific features and purposes of a spreadsheet, and they can navigate around and enter dataspecific features in spreadsheets such as 2Calculate allow user to insert content such as images into a cell. The cells content can be locked or moved using additional featuresThe Speak and Count tools serve a specific purpose in 2Calculate. Tech Outside School Technology is science and engineering knowledge put into practical use to solve problems or invent useful tools. Technology is used within school. Technology is used outside			
Disciplinary Kno	wledge					
E-Safety	Know what personal information is and be able to give Recognise that there may be people online who could Know who to go to for help with problems regarding Describe how to behave online in ways that do not up	make people feel sad, embarrassed or upset. digital activity.				
Digital Fluency	Save and retrieve a programme with support. Turn a computer off and on independently. • Log on w Left hand button to click and select and move the motouch. Navigate the keypad to find letters. • Basic letters and numbers. Space bar, enter button. Type words, letters and numbers.	vith support use around the screen. Aware of different types of mouse.	I.e mouse, track pad and how to navigate an ipad by			
Programming	 Predict and explore what will happen when a sequence 	device that has a specific output. (using a Beebot and cre	eating a map/maze)			
Networking	Know what a computer is?					
Multimedia	.Use various tools such as brushes, pens, rubber, stamps, and text. (Paint) . Add text to a template document using an image and word bank. (Microsoft Word) . Create my own documents, adding text. (Microsoft Word) . Record your own voice and play back to an audience. (Voice memo app on iPad) . With support, use a digital camera / iPad to capture images. (Camera app on iPad) . Use an app to record an activity. (Camera app on iPad)					
Data Processing	Discuss what data means. • Collect physical data. • Group data. • Input data into a premade written chart					
Vocabulary	Avatar, button, device,file name, home screen, login, logout, menu, workarea, password, private, saving, search, shared folder, tool bar, typing, grouping, sorting, equal, groups, less than, more than, data, pictogram, results,	Algorithm, debugging, code, programme, recipe,instructions, machine, program, sequence, challenge, command, delete, direction	Arrow keys Backspace key cursor cell tool cells clipart Collate Columns Count tool Data Delete key Image toolbox Lock tool Move Pictogram Rows Speak tool spreadsheet			











	Year Two												
Computing	Autumn		Spring					Summer					
Unit	Coding	Online safety	Spreadsheets			?!	Effective Searching	Creating Pictures			Making Music	Presenting Ideas	
Substantive Knowledge	Coding In computing, a set of algorithm. Steps in an algorithm achieve the intended o Code can be created thave collided. This cod with it. Programs follow a sec (commands) in order. Events in computer probe run Buttons use the 'Wher piece of code when the Bugs when referring tode that are stopping was intended. Debugging is the proinced, fixing the prothem. Online Safety Searches can be refine something. Work can be shared in E-mail is a way of conthis form of communic be considerate of the user puts online, and teven when we think w Spreadsheets Building on previous I be opened, saved and eI-there are Reyboard sheft out out. A spreadsheets In totalling tool cou. A spreadsheet will out various items will cost -Data in a table table:	must be foutcome hat detects e can have quence of ir rograms can a Clicked' e y are clicked o computer a program cess of look olems and r ed so it is e a a variety munication, as we ser ir ir relates hat this for e have rem knowledge edited. For this all the tomatically when bout can be edit when the contracts of the contracts of the computer of the contracts of the computer of the contracts of the computer of	when two an action of astructions use a block event and w ad on. programs, from work ing for any epeatedly t asier to fine of ways g and know ith others, it to informa toprint may oved the in spreadsheet copy, past cells behind ywork out l jht.	order to objects associated of code to will run a problems testing d v that in you need to ation that a premain formation t files can and cut. I the tool. how much	Questioning -Pictograms created through software of limited use beyond answering simple Information can be separated by using questions. -A binary tree is a simple way of sortin into two categories. When using a binary only ask yes/no questions to find a specific formation and the season of th		simple quesusing yes, sorting infi binary tra a specific particle. Stem that formation, iety of info yes a documen browser. I trains a seople's digit curate resurts a validable years a become tool brush rams help colouring of te repeating to be sorted and the second tool brush rams help colouring of te repeating to the single years.	stions. //no ormation ee, users can piece of make it . Databases ormation and more tts and Websites can arch engine. ttal ults. ugine, we tes. Palettes to the users. hoice of bined to a stroke can a user with enclosed	-Sounds can be incorporated into music programake a melody -The speed of a digital musical composition knot tempo can be altered -The volume of instruments/sounds on a track ochanged when using music programsMusic programs let users incorporate their ow into a composition Presenting Data -Digital content can be presented in many form -Quizzes can be made using programs -Digital content should be presented using a su format -Digital content in one format can be re-used in formats to present to audiences an ine.		tion known as a track can be their own sounds any forms. and a suitable		
	data to create a block		ed and ther	n use this									
Disciplinary Kn E-Safety	Explain how other peo Know what private m Know that we do not Know to ask a truste Identify safe and uns Begin to know how to	neans and versed adult bestafe online to search the	which data onal inform fore clicking behaviours. e internet s	should be kep nation. g 'yes' 'I agree safely.	t private. ' or 'accept'.	iity in real	life.						
Digital Fluency	. Save and retrieve a programme or work independently. X button. • Use save as and save coming up with own name for document. • Minimise, restore down document. • Turn on and log on independently. • Minimise, maximise buttons, as well as screen splitting and restore down. • Left button double click to highlight word. Hold and drag. • Write sentences with capitals and full stops. • Use the Caps lock button to write capital letters. Hold the shift key to for capitals. • Full stop button. • Volume buttons on software. . Typing sentences with capitals and full stops. • Change the colour, font and size of the words.												
Programming	Give directional vocabi Predict and explore w Create a set of more of the common terms of the common ter	vhat will ho complex ins ch to debug	appen wher structions (more com	n a more comp algorithms) fo plex algorithm	olex sequence o r a digital dev is and progran	of instruction vice that ho ns.	ons is given. Is a specific	(using the	e apps)		ch junior)		
Networking	.Can access content fro • Is aware of the impor • Navigates the web ar	om the inte rtance of st nd can carr	rnet using o aying safe y out simpl	a web browser online – the n le web searche	·. eed for keepin	g personal	data private				bly, knowing	ı a range of	ways to report
Multimedia	unacceptable content and contact when online. .Use a wider variety of tools (including skills learnt in Year 1) on a computer software, inserting and manipulating shape. (Paint) .Add and edit text, considering style, colour, and layout of font using a document you have created. (Microsoft Word) .Insert an image to a document. (Microsoft Word) .Use video cameras on either laptop or iPad to capture still images and video footage. (Camera app on iPad) . Re-open a recorded clip they have made. . Explore sound and music in animation and video.												
Data Processing	Create a simple pictogo collected data using a								rmation from	a pictogram. • Col	llect data usi	ng a tally c	nart. • Present
Vocabulary	Button Collision detect nesting predict sequent properties scale scene v attachment Digital foo Internet browser Netw Search engine Searchir WWW	ce test text When swip otprint Disp ork Online	timer exect ed lay board e safety Save	ute email e Search	Internet br Search eng WWW anin Database E	owser Netw ine Searchi nated Avat qual tool L	otprint Disp vork Online ng sharing ⁻ ar Binary tr ock tool Pre key Volume	safety Sav Template V ee Copy ar sentation (e Search Wireless 1d paste	attachment Dig Internet brows Search engine S WWW Animated Avat Equal tool Lock Space bar key N	er Network C Searching sho ar Binary tre tool Present	Online safety aring Templ ee Copy and	Save Search ate Wireless paste Database











	Year Three									
Computing	Autumn	Spring		Summer						
Unit	Coding Online safety Spreadsheets	Touch Typing Email	Branching Databases	Simulations	Graphing Presenting Ideas					
Substantive Knowledge	Coding -Flowcharts are a type of diagram that use specifically shaped labelled boxes and arrows to represent an algorithm as a diagram. -Timers are used in coding to help control when a block of commands are run. -Repeat is a control block and blocks of commands can be set to repeat a specified number of times using the repeat control block. -Testing, debugging and fixing are an important part of the process of making computer programs. Understanding what nesting is and the effect it has on a program can help when trying to debug a program Online Safety -Passwords are private and should never be shared. -Blogs can help us to communicate our thoughts and ideas. -Not everything online is factually correct, and some websites can be referred to as spoof websites. -PEGI / BBFC ratings exist to keep young people safe and steps can be taken should students see inappropriate content. Spreadsheets -Graphs can be generated from data within a sheet. If data is changed on the sheet, then the graph automatically updates to recognise these amendments. -The more than, less than and equals tools serve a purpose to define a number -Cells all have their own individual address. They are referenced using letters and numbers.	Email - Typing is the action or skill of wri means of a keyboard (physical or vimportant to have a good posture 'Home, top and bottom row keys a keyboard where specific keys are leterobe an efficient at typing hands correctly on a keyboard and that thands should work independently 'There are different methods of coneach have strengths and weakness - Emails are electronic versions of lebe sent and received almost instanemail address. - It's important to use email system there are things people can do to the safe. - pictures, documents and other file attached to emails. Databases - A database is a collection of data that it can be searched, and inform -Objects can be sorted using yes/not this to how computer binary data' Branching databases can be creat - It is important to test and debug icreating branching databases so the intended.	rirtual) and that it is when typing. re areas on a cated. should be positioned he left and right of each other. Innunication and they are they can they can they can they can they to anyone with an assafely and that my to keep themselves types can be organised in a way they can be considered in a way they can they							
Disciplinary Kno	owledge			-Designs of slides can						
E-Safety Digital Fluency	Confidently know how to search the internet safely and choose age-appropriate resources and websites. Know how to create a secure password. Know what a digital footprint is and that any information online can be used by others. Explain what it means to 'know someone' online and why this might be different from knowing someone in real life. Know how to create a positive online presence. Create folders within a folder to organise work. Move documents from folder to subfolders. Log on to different softwares. i.e. Accelerated reader, TT rockstars Use the home button to find different programmes. Create their own secure password referring back to the E-safety lesson on passwords. Right click button: Copy and paste. *Cut and paste. *Change font Shift key *Capitals with shift key. Use the shift key to type symbols. For example: question marks, exclamation marks, speech marks. Start to learn to touch type. Main middle row.									
	Apply the left and right hand skills to drag and drop, copy and paste words. • Change the bold, underline and italics of a word. • Inserting shapes. • Adding writing to shapes. • Right click and edit shapes. • Formatting backgrounds. • Insert borders. • Creating a poster									
Programming	Inserting shapes - Adding writing to shapes - Adght click and edit shapes - Formatting backgrounds. • Insert borders. • Creating a poster Design and write a more complex programme to accomplish a specific goal. Reason and explain how simple algorithms. I have designed and written work. Detect, correct and debug errors in algorithms. • Control/simulate physical systems with algorithms. Solve problems within a program by breaking it into smaller parts. Multiple sprites, creating own									
Networking	Pupils know what a 'network' is and understand how different types of networks – LAN (Local Access Network), WAN (Wireless Access Network), PAN (Personal Access Network), MAN (Metropolitan Access Network) – work. Pupils to know the difference between ethernet and wi-fi access Pupils understand the difference between the internet and the internet service – internet is global network of networks whilst the internet service (www.) is information accessed by via the internet. Pupils are aware of the role of routers when viewing websites Pupils send and respond to e-mails using a variety of attachments.									
Multimedia	 Pupils can use a search engine to find a specified picture. Acquire, store, and combine images from cameras or the internetuse of the print screen function and snipping tool to capture and select certain areas of an image and resize, rotate, and inverted the contraction of the contraction o	crop an image. (Microsoft Word/ Por the image. (Microsoft Word/ PowerPo lan, create and edit a stop motion an	oint/ publisher)	d clips. (Stop motion stud	dio)					
Data Processing	Use Yes' and 'No' questions Sort muddled up data into categories. Organise data, using given criteria. Know that there can be alternative answers for a question. Create Yes' and 'No' questions for given data.									
Vocabulary	Alert Blocks of commands develop Flowchart plan Procedure Repeat Values	Address book Attachment Blog Cc Compose Concept map Email Form Save to draft Send Spoof website W	atting PEGI rating	Branching database Cl	on audio Bar chat Block graph harts design templates Field font nedia Question slide slideshow Spin					











		Year Four							
Computing	Autumn	Spring	Summer						
Unit	Coding Online sofess	Writing for different audiences Logo Animation	Effective Searching Neversignets Making Music						
Substantive Knowledge	Coding	Writing for different audiences -Formatting including the style of font can affect the impact of a textEditing the formatting of the text makes a document fit for purposeProducing documents to meet a brief involves using appropriate formatting. Logo -Representations of shapes, letters and flowers can be created -The repeat command is a more efficient way to code in 2LogoIt is important to test and debug code in 2Logo as with other coding platforms to ensure it runs effectivelyAnimation -Some animations are created by hand and others with the help of technologyOnion skinning is a term used in animation and can make the animation process more efficientSound can be added to animation to enhance the finished product -The term stop frame animation refers to animation where the stopping and starting of a camera gives an object the impression of movement.	Effective Search -Information can be located on a search engine page -There are different skills needed to research effectivelyWeb Pages need to be evaluated to see if the information contained is true and reliable. Hardware Investigators -Different parts make up a computer. Making Music -There are some main elements to music including pulse, rhythm, tempo, pitch and textureA piece of music can be altered by changing the rhythm and tempoA melodic phrase can be created using music softwareAn electronic piece of music contains the key musical features.						
Disciplinary Kn	to teach place value								
E-Safety	.Know the reasons why we need to limit our technology use and ex Know what a virus is and how we protect computers from harm. may affect how others feel about them. To become aware of 'fake news' and learn how to assess what the	• Explain why they need to think carefully about how co	ontent they post might affect others, their feelings and how it						
Digital Fluency	Create own folders and sub folders and re-arrange documents. Re- Log on and retrieve work for a range of different softwares. Retrie Use the mouse confidently with left click and right click options. Shortcuts for copy and paste, undo, cut and paste etc. Use Tab key for navigation!? • Shortcuts for bold, italics, underlir Formatting shapes and objects, bring to front move to back. (Med Spell check and word count. Using bullet points, letters and numbers for lists. Insert and create tables.	ve documents and convert between. i.e. photos, videos in ing. • Touch typing	to different softwares.						
Programming	Design and write a more complex programme to accomplish a spec Reason and explain how simple algorithms I have designed and v Detect, correct and debug errors in algorithms. Control/simulate physical systems with algorithms. Solve problems within a program by breaking it into smaller parl Multiple sprites, creating own	ritten work.							
Networking	Pupils send and respond to e-mails. Pupils know the names of networking hardware (e.g. hubs, router Protocol), POP (Post Office Protocol), FTP (File Transfer Protocol), Pupils now use technologies and online services securely, and known how 'packet data' is transferred around the world ar Pupils are introduced to HTML (Hypertext Markup Language) and Pupils can edit a website and its contents using HTML (Hypertext	CP/ IP (Transmission Control Protocol/Internet Protoco ws how to identify and report inappropriate conduct. d how it can be 'corrupted' CSS (Cascading Style Sheets) and apply this knowledge Markup Language) and CSS (Cascading Style Sheets)	l), associated with networking computer systems). to build a static website.						
Multimedia	Be confident in creating & modifying text & presentation document specific purpose using a range of effects. Align text left, right and centre. Explore the use of video, animation, & green screening for a specific								
Data Processing	Learn how to use a data logger. Record data (from data logger) using tallies, charts and tables. Learn what a spreadsheet is and what it is used for. Record data (from data logger) into premade spreadsheet. To organise data using a spreadsheet. Save a spreadsheet. Open a spreadsheet. Learn how to retrieve simple information from a premade spreads	sheet							
Vocabulary	Abbreviations: RT, LT, BK, FD Code block Co-ordinates If/else Logo variable Objects Prompt Prompt for input Repeat until Selection ty value	Motherboard Number Computer virus Cookies							











	Year Five								
Computing	Autumn	Spring	Summer						
Unit	Coding Oracios sajety Spreadsheets	Databases Grame Creator 3D Modelling	Cancept maps Word processing Word processing						
Substantive Knowledge	Coding -Code can be simplified to complete the same process with less lines of code. Simplified code runs faster and uses less processing memory, it is said to be more efficient. -A simulation is a model that represents a real or imaginary situation. Plans of an algorithm that represents a real or imaginary situation can be created and then used to program a simulation in 2Code. -The timer every command can be used to make code repeat forever. -Decomposition is a method of breaking down a task into manageable components. -Abstraction is a way of de-cluttering and removing unnecessary details to get a program functioning. -A function is a block or sequence of code that can be accessed when it is needed. -Strings are text or a combination of text characters and numbers within programs -Strings are text or a combination of text characters and numbers within programs Online Safety -The SMART rules are designed to keep children safe online. -Passwords need to be kept secure. -Care needs to be given when sharing content online. -Sources should be referenced in work. -Different forms of communication are best used for specific purposes. Spreadsheets -A formula can be written in a sheet to convert units of length and distance. -A spreadsheet tool can be used to model a real-life problem, in this case the area and perimeter of shapes -A spreadsheet can be used to support the organisation of real-life events such as a school rabe sale.	Patabases -A database can be used to search for information. -Users can contribute to a collaborative database -Databases can be created to cover a range of topics or themes. Game Creator -It is important to plan out a game before commencing on making it -A game design program has specific functions for the designer to useThe design of characters and quest items is a key aspect of game creationA finished game must be playable and possible for the player to complete -Evaluation is important so a game can be improved and made more playable and exciting 3D Modelling -3D modelling can be done via a computer programMoving points changes the appearance of a 3D modelA 3D design program can be used to meet a design briefModels need refining before they are printed out using a standard printer or 3D printerRefining a model is important prior to the final printing process.	Concept Maps -There is a need for visual representation when generating and discussing complex ideas. This can be represented in the form of a concept mapA computer program can be used to create a concept map end concept mapA concept map can be used to retell information and storiesCollaborative concept maps allow many users to contribute to the same map and therefore quickly and easily share ideas. Word Processing -A word processing tool can be used to create a range of documentsImages can be added to a document -Images can be edited in Word using Word WrapThe look of text within a document can be changedVarious features within the program will enhance the documents look and usabilityTables can be used to present information within a documentA template can be used to create a documentPage layout can be improved by using headings and columns.						
Disciplinary Kn	as a school cake sale.								
E-Safety Digital Fluency	Distinguish between appropriate and inappropriate uses of technology (including excessive Know the risks and rewards of the internet. Know a variety of ways to report concerns both on and offline. Know how to use social media and online gaming apps effectively, while keeping an adult Know what copyright is and how to interpret information found online. Know what adverts/ pop ups/ phishing emails are and how they are specifically targeted. Save as different programmes, i.e. save as PDF. Use task manager to solve problems. Use the mouse confidently and independently with left click and right click options. Touch typing. Become familiar with common function keys, such as brightness, airplane mode, volume,	i informed of their activity, at individuals.							
	Change position of text. Columns, align, change direction. Orientation of page and margins. Find and replace words and fonts. Hyperlinks Add, delete columns and rows. Using the mouse and enter for a new row.								
Programming	Design and write an increasingly complex programme to accomplish a specific goal. Reason and explain how more complex algorithms I have designed and written work. Use sequence (putting algorithms in the correct order), selection (selecting the correct inst. Detect, correct and debug errors in algorithms. Ontrol/simulate physical systems with algorithms. Solve problems within a program by breaking it into smaller parts. Selecting different options for different sprites, costumes, loops		pied/repeated) in programs.						
Networking	Pupils understand role of the networking hardware and protocols associated with networking pupils understands the client-server model process and the 'why' behind it. Pupils know that including how dynamic web pages (web pages that display different thing Recognises that persistence of data on the internet requires careful protection of online ide	ngs, depending on input) use server-side scripting and tha entity and privacy							
	 Pupils can use search engines effectively and understand that search engines use 'web cra Pupils can explain how search engines rank the results that appear Pupils can identify a fake e-mails (spam, junk and phishing emails) 	wier programs . Papiis can use mis process sujety and ben	we responsibly -independently report concerns.						
Multimedia	Pupils can explain how search engines rank the results that appear Pupils can identify a fake e-mails (spam, junk and phishing emails) Be able to use different filming techniques and camera angles e.g. zoom, panning, wide sho Plan a multi-scene animation including characters, scenes, camera angles and special effe Adjust the number of photographs taken and the playback rate to improve the quality of I Publish their animation and use a movie editing package to edity-frein and add titles. (IM Know how to use text and video editing tools in programs to refine their work. (Clips) Begin to use both hands to type. Begin to use a range of functions to change text alignment, layout, insert tables.	t etc to create different mood/ perspective. ects. (iMovie / Clips) the animation. (iMovie / Clips) ovie / Clips)	uve responsibly "independently report concerns.						
Multimedia Data	Pupils can explain how search engines rank the results that appear Pupils can identify a fake e-mails (spam, junk and phishing emails) Be able to use different filming techniques and camera angles e.g. zoom, panning, wide sho Plan a multi-scene animation including characters, scenes, camera angles and special effe Adjust the number of photographs taken and the playback rate to improve the quality of Publish their animation and use a movie editing package to edit/refine and add titles. (iM Know how to use text and video editing tools in programs to refine their work. (Clips) Begin to use both hands to type. Begin to use both hands to type. Begin to use a range of functions to change text alignment, layout, insert tables. Collect sounds from a variety of sources (sound editing software, online, digital sound recor	t etc to create different mood/ perspective. ects. (iMovie / Clips) the animation. (iMovie / Clips) ovie / Clips)	uve responsibly -independently report concerns.						
	Pupils can explain how search engines rank the results that appear Pupils can identify a fake e-mails (spam, junk and phishing emails) Be able to use different filming techniques and camera angles e.g. zoom, panning, wide sho Plan a multi-scene animation including characters, scenes, camera angles and special effe Adjust the number of photographs taken and the playback rate to improve the quality of Publish their animation and use a movie editing package to edit/refine and add titles (iM Know how to use text and video editing tools in programs to refine their work. (Clips) Begin to use both hands to type. Begin to use a range of functions to change text alignment, layout, insert tables. Collect sounds from a variety of sources (sound editing software, online, digital sound recor	t etc to create different mood/ perspective. ects. (iMovie / Clips) the animation. (iMovie / Clips) ovie / Clips)	uve responsibly "independently report concerns.						















