Skills and Progression Map

Computing

'Spirituality is the bitter-sweet yearning for beauty, truth, love and wonder beyond ourselves. It is a longing we pursue together and a treasure we glimpse in ourselves and one another and seek beyond us into eternity. It is life in all its fullness.'



Nebula Spirituality Statement











	Computing: National Curriculum Curriculum			
EYFS	Key Stage One	Key Stage Two		
Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes	 Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions Create and debug simple programs Use logical reasoning to predict the behaviour of simple programs Use technology purposefully to create, organise, store, manipulate and retrieve digital content Recognise common uses of information technology beyond school Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the Internet or other online technologies 	 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts Use sequence, selection, and repetition in programs; work with variables and various forms of input and output Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs Understand computer networks including the Internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content Select, use and combine a variety of software (including Internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact 		



SKILLS

The National Curriculum has been divided up into three areas: Information Technology, Digital Literacy and Computer Science. Within each of these areas, **Core Skills** have then been identified and allocated to each iLearn2 unit and are covered throughout an academic year.

Information Technology	Digital Literacy	Computer Science
 Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school Audio/Visual Design Text and Images 	 Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies. E-Safety 	 Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions create and debug simple programs use logical reasoning to predict the behaviour of simple programs
Text and mages		Programming
 Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information Audio/Visual Design Text and Images 	 Understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact 	 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts Use sequence, selection, and repetition in programs; work with variables and various forms of input and output Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs Programming
Data Handling	Handling Internet Research	
	E-Safety	



Skills Map	- Computing
E	YFS
Information 1	Fechnology Skills
 Audio and Visual Creation: To use technology to explore and access digital content. To operate a digital device with support to fulfil a task. To create simple digital content. To choose media to create content. 	 Text and Images: To use the keyboard to enter letter strings. To begin to use the space bar to break letter strings into groups of letters. To use the Back Space key to delete. To use a word bank or word list to enter text.
	Science Skills
 Programming: To explore technology. To repeat an action with technology to trigger a specific outcome. To recognise the success or failure of an action. 	 To follow simple instructions to control a digital device. To recognise that people control computers. To input a short sequence of instructions to control a device.
	teracy Skills
 E-Safety: Online Relationships: To recognise some ways in which the Internet can be used to communicate. To give examples of how technology might be used to communicate with known people. To describe ways that some people can be unkind online. To offer examples of how this can make others feel. 	 E-Safety: Health, Well-Being and Lifestyle: To identify rules that help keep people safe and healthy in and beyond the home when using technology. To give some simple examples. To recognise that people can say 'no' / 'please stop' / 'I'll tell' / 'I'll ask' to somebody who asks them to do something that makes them feel sad, embarrassed, or upset. To explain how this could be either in real life or online.
 E-Safety: Online Reputation: To identify ways that information can be put on the Internet. E-Safety: Managing Online Information: 	 <u>E-Safety: Privacy and Security:</u> To identify some simple examples of personal information. To describe the people who this information can be shared with and
 To talk about how the Internet can be used to find things out. To identify devices that could be used to access information on the Internet. 	to explain why they can be trusted. E-Safety: Copyright and Ownership:
• To give simple examples of how to find information.	 To know that work someone creates belongs to them. To name work so that others know who it belongs to.



Key Vo	cabulary	Greater Depth
Key Vo Instructions Camera Robot Sequence Share Technology Control Google Information Internet 	cabulary Computer iPad/Tablet App (application) Keyboard Button Printer Save Zoom Computer Screen Mouse	Greater Depth Information Technology: • What are you making? Computer Science: • Which one did you choose? Digital Literacy: • When do you use technology?
Algorithm		



Skills Map	- Computing
Ye	ar 1
Information T	echnology Skills
Audio and Visual Creation:	Text and Images:
To create digital content.	To access and open a document.
 To choose media from a selection to create content. 	• To use upper- and lower-case letters, the space bar, the Return key,
 To recognise that digital content can be edited and select basic 	the Shift key to create a capital letter and the delete/backspace key
tools/options to achieve this.	for mistyped or repeated letters.
 To combine media with support. 	• To write short texts using word lists.
	• To move the cursor and insert text.
Computer	Science Skills
Programming:	• To predict the outcome of a simple algorithm or program.
 To recognise that computers don't have a brain. 	• To explain what an algorithm is.
• To explain that computers are controlled by being given instructions.	• To recognise that the order of instructions in an algorithm is
• To create a simple program.	important.
To create a simple algorithm.	 To debug an error in a simple algorithm or program.
Digital Lit	eracy Skills
E-Safety: Online Relationships:	E-Safety: Health, Well-Being and Lifestyle:
 To use the Internet with adult support to communicate with known people. 	• To explain rules to keep people safe when they are using technology both in and beyond the home.
 To explain why it is important to be considerate and kind to people 	 To give examples of some of these rules.
online.To describe how to behave online in ways that do not upset others	• To recognise that there may be people online who could make others feel sad, embarrassed or upset.
and can give examples.	• To know that if something happens that makes someone feel sad, worried, uncomfortable or frightened they can give examples of when
E-Safety: Online Reputation:	and how to speak to an adult they can trust.
 To recognise that information can stay online and could be copied. 	
• To describe what information should not put online without asking a	E-Safety: Privacy and Security:
trusted adult first.	 To recognise more detailed examples of information that is personal. To explain why someone should always ask a trusted adult before
E-Safety: Managing Online Information:	they share any information about themself online.
To use the Internet to find things out.	To explain how passwords can be used to protect information and



 To describe and helpline if conter 	 To use simple keywords in search engines. To describe and demonstrate how to get help from a trusted adult or helpline if content is found that makes someone feel sad, uncomfortable worried or frightened. 		 devices. <u>E-Safety: Copyright and Ownership:</u> To explain why work someone creates using technology belongs to them. To say why it belongs to them. To save work so that others know who it belongs to.
	Key Vocabulary		Greater Depth
 3D Program Debug Design Emoji Search Selection Website Personal information Link Menu 	 Icon Trusted adult Online Sign in Game Wireless (Wifi) Online bullying Landscape Portrait Bluetooth Download 	 Frame Processor Green screen Hard drive Illustration Log in Tool Send Follow Digital Communicate 	 Information Technology: How did you make that? Computer Science: Describe what happens when your code runs. Digital Literacy: Who can you tell if you don't like something you see online?



	Skills Map – Cor	nputing	
	Year 2		
	Information Techn	ology Skills	
 Audio and Visual Creation: To create simple digital content for a purpose. To apply edits to digital content to achieve a particular effect. To create content by combining media. To plan digital content and identify common features. 	 Text and Images: To understand how tretrieved. To change the font state of the cursor arr on-screen editing. To import graphics arr support. 	cyle, size and colour. ow keys for simple	 Data Handling: To independently plot data as a pictogram, block chart or bar graph. To know that graph types can be changed. To interpret the graphs by discussing them and answering simple questions. To use the search tools in a prepared database to answer simple questions.
	Computer Scien	ce Skills	
 Programming: To explain that computers have no intelligence program them to do things. To create a program with multiple steps. To predict the outcome of an algorithm or prog steps. 	gram with multiple	 unambiguous. To identify and correcognise the terr To explain what a computer it is call To plan out a program success. 	n algorithm is, and that when inputted on a
Lutowet Dessevels	Digital Literac		Deine and Lifestules
 Internet Research: To complete a search using a child friendly sear To use the Internet to find information for a to E-Safety: Online Relationships: To give examples of how technology might be others they don't know well. To give examples of bullying behaviour and how To understand how bullying can make someon To talk about how someone can/would get hel 	pic with support. used to communicate with w it could look online. e feel.	 environments To explain hortheir identity To describe work different online To give example 	and settings. w other people's identity online can be different to in real life. ways in which people might make themselves look ne. bles of issues online that might make someone feel uncomfortable or frightened and give examples of



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time. • To know who to talk to putting something online • To use keywords in se • To demonstrate how to information. • To explain what voice • To explain the different 'make believe' and thi	o if someone thinks they ine. <u>ormation:</u> arch engines. o navigate a simple web activated searching is ar nce between things that ngs that are 'true' or 'rea	someone can last for a long r have made a mistake about ppage to get needed nd how it might be used. are imaginary, 'made up' or al' and explain why some	 E-Safety: Privacy and Security: To describe how online information about someone could be seen by others. To describe and explain some rules for keeping information private. To explain what passwords are and can use passwords for accounts and devices. To explain how many devices in a home could be connected to the Internet and can list some of those devices. E-Safety: Copyright and Ownership: To describe why other people's work belongs to them. To recognise that content on the Internet may belong to other people.
information found onl	Key Vocabulary		Greater Depth
 Browser Computer networks Data Computational thinking Execute/Run Input Output Software World Wide Web (WWW) Password 	 Username Interact Images Facts Scan Chat Post/ Re-post Copyright Backdrop 	 Repeat/ Loop Characters Avatars Fictitious/Fake Evaluation Publish Trust Stroke Template 	 Information Technology: How can you describe your end result? Computer Science: How would you identify if your code was working? Digital Literacy: What could happen if you told a stranger online your phone number?



	Skills Map	- Computing	
	Ye	ar 3	
	Information To	echnology Skills	
 Audio and Visual Creation: To create content by combining media independently. To design and create simple digital content for a purpose and audience. To edit digital content to improve it. To identify features of a good piece of digital content. 	 size, colour, Bold To confidently us for on screen ed bars to view difference document. To justify/align to To import graphic 	se the cursor arrow keys iting and use the scroll erent parts of the ext. ics and add text.	 Data Handling: To collect information using a questionnaire. To use the search tools to answer simple questions relevant to an investigation and to sort and organise information to use in other ways. To enter data in a prepared spreadsheet with support and to select data to produce a graph with support. To recognise which information is suitable for a topic.
 Programming: To predict the outcome of a block or text- To successfully modify an existing program To identify repeated steps in a program of To create examples of algorithms containing 	based program. n. • algorithm.	program.To recognise a for forever loop in a	at an algorithm can be created to help plan out a program or algorithm and to use a program to keep something happening.
and use a count-controlled loop to make a		them. To recognise tha eracy Skills 	t different inputs can be used to control a program.
Internet Research:		E-Safety: Health, Well-Be	eing and Lifestyle:
 To type in a URL to find a website. To add websites to favourites. To use a search engine to find a range of r To understand Internet safety rules. 	nedia.	 To explain why s sometimes have To give some exatime engaged. To explain what 	pending too much time using technology can a negative impact on a person. amples of activities where it is easy to spend a lot of is meant by the term 'identity'. a person can represent themself in different ways



E-Safety: Online Relationships:

- To describe ways people who have similar likes and interests can get together online and give examples of technology-specific forms of communication.
- To explain some risks of communicating online with others someone doesn't know well and how their and other people's feelings can be hurt by what is said or written online.
- To explain why someone should be careful who they trust online and what information they can trust them with and why they can take back their trust in someone or something if they feel nervous, uncomfortable or worried.
- To explain what it means to 'know someone' online and why this might be different from knowing someone in real life and explain what is meant by 'trusting someone online' and why this is different from 'liking someone online'.

E-Safety: Online Reputation:

- To search for information about a person online.
- To recognise the need to be careful before someone shares anything about themself or others online.
- To know who someone should ask if they are not sure if they should put something online.

E-Safety: Managing Online Information:

- To use key phrases in search engines.
- To explain what autocomplete is and how to choose the best suggestion.
- To explain how the Internet can be used to sell and buy things.
- To explain the difference between a 'belief', an 'opinion' and a 'fact'.

online and why they might change their identity depending on what they are doing online.

E-Safety: Privacy and Security:

- To give reasons why someone should only share information with people they choose to and can trust and can explain that if someone is not sure or they feel pressured, they should ask a trusted adult.
- To understand and can give reasons why passwords are important.
- To describe simple strategies for creating and keeping passwords private.
- To describe how connected devices can collect and share someone's information with others.

E-Safety: Copyright and Ownership:

- To explain why copying someone else's work from the Internet without permission can cause problems.
- To give examples of what those problems might be.



	Key Vocabulary		Greater Depth
 Block Palette Code/Coding Command Decomposition Sprite Stage Condition Control Block Costume Digital content Simulation 	 Hyperlink Attachment URL Blog/Blogging Consequences Illustrator Untrusted Cyberbully Cyberbullying Reliable MegaByte GigaByte Report 	 Sceptical Verify Fake News Soundtrack VR (virtual reality) Font Shortcut Shots 360° Video Authenticate Multimedia 	Information Technology: • How could you improve you end result? Computer Science: • How would you fix a bug in your code? Digital Literacy: • What could the result be if someone told others their password?



	Skills Map -	- Computing	
	Yea	ar 4	
	Information Te	echnology Skills	
 Audio and Visual Creation: To create content using a range of media. To design and create digital content for a specific purpose. To edit digital content to improve it according to feedback and identify the features of a good piece of digital content and apply these to an original design. To know where to find copyright-free content. 	 Text and Images: To import graphics and use a tool for text wrapping. To choose a portrait or landscape page as appropriate. To learn how to insert and use a simple table. To use a zoom tool to view the whole page, and a spell checker tool. 		 Data Handling: To create a database from selected information and use the database to carry out an investigation. To present data in different ways. To start to amend errors. To enter data in a prepared spreadsheet and select data to produce a graph independently.
 Programming: To create a program using a range of events/ happens. To recognise that a problem can be decomposed to help solve it. To explain when to use forever loops and cour and use them in programs. To recognise selection in a program or algorithm 	inputs to control what used into smaller parts unt-controlled loops	when a conditionTo design a progTo decompose in	in algorithms in programs to alter what happens n changes. gram for a purpose. nto parts and create an algorithm for each one. mmon mistakes in programs and how to correct
	Digital Lite	eracy Skills	
 Internet Research: To think of search terms to use linked to quest answering. To talk about the reliability of information on To use Internet safety rules. 		 things they might To identify times the amount of times help with this. 	eing and Lifestyle: Ising technology can distract someone from other t do or should be doing. or situations when someone might need to limit me they use technology and suggest strategies to omeone's online identity can be different to the



E-Safety: Online Relationships:

- To describe strategies for safe and fun experiences in a range of online social environments and give examples of how to be respectful to others online.
- To identify some online technologies where bullying might take place.
- To describe ways people can be bullied through a range of media.
- To explain why someone needs to think carefully about how content they post might affect others, their feelings and how it may affect how others feel about them.

E-Safety: Online Reputation:

- To describe how others can find out information about someone by looking online.
- To explain ways that some of the information about someone online could have been created, copied or shared by others.

E-Safety: Managing Online Information:

- To analyse information and differentiate between 'opinions', 'beliefs' and 'facts' and understand what criteria have to be met before something is a 'fact', and why lots of people sharing the same opinions or beliefs online does not make those opinions or beliefs true.
- To describe how someone can search for information within a wide group of technologies.
- To describe some of the methods used to encourage people to buy things online and can recognise some of these when they appear online.
- To explain that some people someone 'meets online' may be computer programmes pretending to be real people.

identity they present in 'real life'.

• To describe the right decisions about how someone interacts with others and how others perceive them.

E-Safety: Privacy and Security:

- To explain what a strong password is.
- To describe strategies for keeping personal information private, depending on context.
- To explain that others online can pretend to be someone or other people, including their friends and suggest reasons why they might do this.
- To explain how Internet use can be monitored.

E-Safety: Copyright and Ownership:

- To explain why someone needs to consider who owns something and whether they have the right to reuse it when searching on the Internet for content to use.
- To give some simple examples.



	Key Vocabulary		Greater Depth
 Logical	 PEGI Netiquette Conditional Scene Filters Griefing Storyboard Cloud	 Positive online	 Information Technology: How would you change your end result for a different audience? Computer Science: How would you explain what your code does? Digital Literacy: Why do you think people say unkind things online?
reasoning Audio Selection Page ranking Hacker Repetition Script Scripts area Secure (https)	computing	communication Online persona Digital footprint Animation Age restrictions Social network Screenshot Screencast	



	Skills Map -	Computing	
	Yea	nr 5	
	Information Te	chnology Skills	
 Audio and Visual Design: To identify and use appropriate hardware and software to fulfil a specific task. To remix and edit a range of existing and original media to create content. To consider the audience when designing and creating digital content. To identify success criteria for creating digital content for a given audience and purpose and evaluate original content against these success criteria and make 	justification.To format a list.To import, positi graphics.	yout using centring and on and manipulate and reshape text and	 Data Handling: To create data collection forms and enter data from these accurately. To know how to check for and spot inaccurate data. To enter information into a spreadsheet using appropriate headings and move to a specific cell in a spreadsheet. To use simple formula and use a spreadsheet to investigate.
improvements accordingly.	Computer S	rience Skills	
 Programming: To name a range of sensors in physical syste To recognise that different solutions may exproblem. To predict what will happen in a program or input changes. To use two-way selection in programs and a 	kist for the same r algorithm when the algorithms.	 To create progra To create and us To evaluate a product design according 	iables in a program and what they do. Ims including repeat until loops. Se simple variables. Ogram and make improvements to the code or gly.
	Digital Lite	eracy Skills	
 Internet Research: To use advanced search functions in Google To use AND and OR in searches. To check the accuracy of information with s To begin to be aware of privacy and other is the Internet and to interpret and question t information. 	upport. ssues related to using	describe some oTo describe som sleep with regarTo explain how i	is technology can affect healthy sleep and can of the issues. The strategies, tips or advice to promote healthy ods to technology. Tidentity online can be copied, modified or altered. Tresponsible choices about online identity,



E-Safety: Online Relationships:	
 To explain that there are some people online who may want to do 	E-Safety: Privac
other people harm and to recognise that this is not those people's	To creat
fault.	To expla
• To describe some of the communities in which people are involved	private
and describe how people collaborate with others positively.	To expla
• To recognise when someone is upset, hurt or angry online and	for addi
describe how to get help for someone that is being bullied online	permiss
and assess when they need to do or say something or tell someone.	
• To explain how to block abusive users and report online bullying on	E-Safety: Copyr
the apps and platforms that are used.	To asses
	others.
E-Safety: Online Reputation:	To give
 To search for information about an individual online and create a 	
summary report of the information they find.	
• To describe ways that information about people online can be used	
by others to make judgments about an individual.	
E-Safety: Managing Online Information:	
• To evaluate digital content and explain how to make choices from	
search results.	
 To understand the difference between online mis-information 	
(inaccurate information distributed by accident) and dis-	
information (inaccurate information deliberately distributed and	
intended to mislead) and to explain what is meant by 'being	
sceptical' and 'hoax'.	
• To explain why someone needs to think carefully before forwarding	
anything online.	
• To explain why some information found online may not be honest,	
accurate or legal and why information that is on a large number of	
sites may still be inaccurate or untrue and assess how this might	
happen.	

E-Safety: Privacy and Security:

- To create and use strong and secure passwords.
- To explain how many free apps or services may read and share private information with others.
- To explain how and why some apps may request or take payment for additional content and explain why someone should seek permission from a trusted adult before purchasing.

E-Safety: Copyright and Ownership:

- To assess and justify when it is acceptable to use the work of others.
- To give examples of content that is permitted to be reused.



	Key Vocabulary		Greater Depth
 Abstraction Vlog YouTuber IP address Pixels Vector HTML CSS Services ISP LAN TCP/IP Variables 	 Hub Peripheral Bandwidth CEOP ChildLine Cache Harassment Plagiarism Infringe copyright Illegal downloads Streaming Blocking 	 Victim Cookie Junk mail RAM / ROM USB ZIP Augmented reality Bit & bytes Upload Score Podcast Edit 	 Information Technology: What are the advantages and disadvantages of the software you have used? Computer Science: Predict the outcome if you swapped the order of two pieces of your code. Digital Literacy: How do people get scammed online?



	Skills Map -	- Computing	
	Yea	ar 6	
	Information Te	chnology Skills	
 Audio and Visual Design: To select, combine and remix a range of media to create original content. To consider all steps of the design process when creating content. To identify the most effective tools to create content for a specific purpose. To evaluate existing digital content in terms of effectiveness and design. 		ls in a table. ete cells in a table. earch and replace	 Data Handling: To use formulae and functions in a spreadsheet and enter and use simple formula in a spreadsheet. To understand what changing numerical data effects a calculation and change data to satisfy 'what if' queries. To make graphs from the calculations on a spreadsheet and use editing tools to alter the design of a graph. To organise, refine and present information appropriate to the audience and use a spreadsheet to solve simple problems.
	Computer S	cience Skills	
 Programming: To design and program a physical computing syste To recognise and use procedures (sub-routines) in To plan out a program in detail, including task, alg execution level. 	programs.	 To use nest effectively. To combine when a pros To recognise 	ommon errors in programs and how to fix them. ed selection statements in a program or algorithm a variable with relational operators (< = >) to determine gram changes. e key concepts (sequence, selection, repetition and a range of languages and contexts.
	Digital Lite	eracy Skills	
 Internet Research: To understand websites such as Wikipedia are ma To suggest ways to check the accuracy of informat To be aware of privacy and other issues related to 	ion independently.	To describe gender and	<u>/ell-Being and Lifestyle:</u> e and identify ways in which media can shape ideas about d gender roles and explain why it is important to reject ate messages about gender.



 E-Safety: Online Relationships: To show someone understands their responsibilities for the well-being of others in their online social group. To explain how impulsive and rash communications online may cause problems. To demonstrate how someone would support others (including those who are having difficulties) online. To demonstrate ways of reporting problems online for both a person and their friends and how to capture content as evidence to share with others who can help them. E-Safety: Online Reputation: To explain how someone develops an online reputation which will allow other people to form an opinion of them. To describe some simple ways that help build a positive online reputation. E-Safety: Managing Online Information: To explain how and why some people may present 'opinions' as 'facts' and to define the terms 'influence', 'manipulation' and 'persuasion' and explain how they might encounter these online. To demonstrate strategies to enable someone to analyse and evaluate the validity of 'facts' and explain why using these strategies are important. To identify, flag and report inappropriate content. 	 To describe issues online that might make people feel sad, worried, uncomfortable or frightened and give examples of how to get help, both on and offline. To describe common systems that regulate age-related content and describe their purpose. To assess and action different strategies to limit the impact of technology on their health and explain the importance of this. E-Safety: Privacy and Security: To use different passwords for a range of online services and describe effective strategies for managing those passwords. To know what to do if a password is lost or stolen. To explain what app permissions are and can give some examples from the technology or services used. To describe simple ways to increase privacy on apps and services that provide privacy settings and describe ways in which some online content targets people to gain money or information illegally and how to identify such content. E-Safety: Copyright and Ownership: To demonstrate the use of search tools to find and access online content which can be reused by others. To demonstrate how to make references to and acknowledge sources someone has used from the Internet.
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	Key Vocabulary		Greater Depth
 Antivirus New media Collaboration Visual coding Text based	 Firewall Generalisation Security updates Plug in Pop up blocker Scams Phishing Location based	 Doxxing Catfishing Flaming Fabotage Creeping Dissing Filtering Malware Screen time Balanced	 Information Technology: What is your favourite software to use for this purpose? Why? Computer Science: Is there any part of your code you could remove without changing how it functions? Digital Literacy: What might you suggest if someone regrets what they have said to someone else online?
coding Adware Trojan Feedback Bot Boolean Checksum Server	settings In app purchasing Trolling Sexting Exclusion	lifestyle Configuring	



DEEPER LEARNING QUESTIONS

	Information Technology	Computer Science	Digital Literacy
EYFS	What are you making?	Which one did you choose?	When do you use technology?
Year 1	How did you make that?	Describe what happens when your code runs.	Who can you tell if you don't like something you see online?
Year 2	How can you describe your end result?	How would you identify if your code was working?	What could happen if you told a stranger online your phone number?
Year 3	How could you improve your end result?	How would you fix a bug in your code?	What could the result be if someone told others their password?
Year 4	How would you change your end result for a different audience?	How would you explain what your code does?	Why do you think people say unkind things online?
Year 5	What are the advantages and disadvantages of the software you have used?	Predict the outcome if you swapped the order of two pieces of your code.	How do people get scammed online?
Year 6	What is your favourite software to use for this purpose? Why?	Is there any part of your code you could remove without changing how it functions?	What might you suggest if someone regrets what they have said to someone else online?



SEN

	Provision for Pupils with SEN
ere ai	re some recommendations for ways in which the computing curriculum can be adapted to meet the needs of children with SEN:
•	Video presentations can have subtitles and/or audio descriptions.
٠	Keyboard shortcuts can be taught instead of using a mouse/trackpad.
٠	Sticky keys feature can be turned on to reduce the need to hold multiple buttons down.
•	Increased font sizes can be used on screens.
•	Writing on screens can be read aloud by a screen reader.
•	Keyboard stickers can be used to enlarge the letters.
•	Touch screens can be used for writing/drawing instead of typing.
٠	Predictive text can be used to lessen the need for typing.
•	Symbol-processing software or picture communicators can take away needing to read large amounts.
•	Word banks of key vocabulary can be used to support embedding of language.
•	Software demonstrations can be shown in short steps to reduce amount needing to be remembered.







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