

# Computing Skills Progression Map

	FS2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
What is a Computer?	<ul style="list-style-type: none"> <li>• use different digital devices</li> <li>• recognise that you can access content on a digital device</li> <li>• use a mouse, touchscreen or appropriate access device to target and select options on screen</li> <li>• recognise a selection of digital devices</li> <li>• recognise the basic parts of a computer, e.g. mouse, screen, keyboard</li> <li>• select a digital device to fulfil a specific task, e.g. to take a photo</li> </ul>	<ul style="list-style-type: none"> <li>• identify technology</li> <li>• identify a computer and its main parts</li> <li>• use a mouse in different ways</li> <li>• use a keyboard type</li> <li>• use the keyboard edit text</li> <li>• create rules for using technology responsibly</li> </ul>	<ul style="list-style-type: none"> <li>• recognise the uses and features of information technology</li> <li>• identify information technology in the home</li> <li>• identify information technology beyond school</li> <li>• explain how information technology benefits us</li> <li>• show how use information technology safely</li> <li>• recognise that choices are made when using information technology</li> </ul>	<ul style="list-style-type: none"> <li>• explain how digital devices function</li> <li>• identify input and output devices</li> <li>• recognise how digital devices can change the way we work</li> <li>• explain how a computer network can be used share information</li> <li>• explore how digital devices can be connected</li> <li>• recognise the physical components of a network</li> </ul>	<ul style="list-style-type: none"> <li>• describe how networks physically connect other networks</li> <li>• recognise how networked devices make up the internet</li> <li>• outline how websites can be shared via the World Wide Web</li> <li>• describe how content can be added and accessed on the World Wide Web</li> <li>• recognise how the content of the WWW is created by people</li> <li>• evaluate the consequences of unreliable content</li> </ul>	<ul style="list-style-type: none"> <li>• explain that computers can be connected together form systems</li> <li>• recognise the role of computer systems in our lives</li> <li>• recognise how information is transferred over the internet</li> <li>• explain how sharing information online lets people in different places work together</li> <li>• contribute a shared project online</li> <li>• evaluate different ways of working together online</li> </ul>	<ul style="list-style-type: none"> <li>• identify how use a search engine</li> <li>• describe how search engines select results</li> <li>• explain how search results are ranked</li> <li>• recognise why the order of results is important, and whom</li> <li>• recognise how we communicate using technology</li> <li>• evaluate different methods of online communication</li> </ul>
			Summer 1	Autumn 1	Autumn 1	Autumn 1	Autumn 1

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Presenting Information & Multimedia	<ul style="list-style-type: none"> <li>use technology to explore and access digital content</li> <li>operate a digital device with support to fulfil a task</li> <li>create simple digital content, e.g. digital art</li> <li>choose media to convey information, e.g. image for a poster</li> </ul>	<ul style="list-style-type: none"> <li>describe what different freehand tools do</li> <li>use the shape tool and the line tools</li> <li>make careful choices when painting a digital picture</li> <li>explain why I chose the tools I used</li> <li>use a computer on my own paint a picture</li> <li>compare painting a picture on a computer and on paper</li> </ul>	<ul style="list-style-type: none"> <li>know what devices can be used to take photographs</li> <li>use a digital device to take a photograph</li> <li>describe what makes a good photograph</li> <li>decide how photographs can be improved</li> <li>use tools to change an image</li> <li>recognise that images can be changed</li> </ul>	<ul style="list-style-type: none"> <li>recognise how text and images convey information</li> <li>recognise that text and layout can be edited</li> <li>choose appropriate page settings</li> <li>add content to a desktop publishing publication</li> <li>consider how different layouts can suit different purposes</li> <li>consider the benefits of desktop publishing</li> </ul>	<ul style="list-style-type: none"> <li>identify that sound can be digitally recorded</li> <li>use a digital device to record sound</li> <li>explain that a digital recording is stored as a file</li> <li>explain that audio can be changed through editing</li> <li>show that different types of audio can be combined and played together</li> <li>evaluate editing choices made</li> </ul>	<ul style="list-style-type: none"> <li>recognise video as moving pictures, which can include audio</li> <li>identify digital devices that can record video</li> <li>capture video using a digital device</li> <li>recognise the features of an effective video</li> <li>identify that video can be improved through reshooting and editing</li> <li>consider the impact of the choices made when making and sharing a video</li> </ul>	<ul style="list-style-type: none"> <li>review an existing website and consider its structure</li> <li>plan the features of a web page</li> <li>consider the ownership and use of images (copyright)</li> <li>recognise the need to preview pages</li> <li>outline the need for a navigation path</li> <li>recognise the implications of linking to content owned by other people</li> </ul>
		<ul style="list-style-type: none"> <li>use a computer write</li> <li>add and remove text on a computer</li> <li>identify that the look of text can be changed on a computer</li> <li>make careful choices when changing text</li> <li>explain why I used the tools that I chose</li> <li>compare writing on a computer with writing on paper</li> </ul>	<ul style="list-style-type: none"> <li>say how music can make us feel</li> <li>identify that there are patterns in music</li> <li>describe how music can be used in different ways</li> <li>show how music is made from a series of notes</li> <li>create music for a purpose</li> <li>review and refine our computer work</li> </ul>	<ul style="list-style-type: none"> <li>explain that animation is a sequence of drawings or photographs</li> <li>relate animated movement with a sequence of images</li> <li>plan an animation</li> <li>identify the need to work consistently and carefully</li> <li>review and improve an animation</li> <li>evaluate the impact of adding other media to an animation</li> </ul>	<ul style="list-style-type: none"> <li>explain that digital images can be changed</li> <li>change the composition of an image</li> <li>describe how images can be changed for different uses</li> <li>make good choices when selecting different tools</li> <li>recognise that not all images are real</li> <li>evaluate how changes can improve an image</li> </ul>	<ul style="list-style-type: none"> <li>identify that drawing tools can be used to produce different outcomes</li> <li>create a vector drawing by combining shapes</li> <li>use tools to achieve a desired effect</li> <li>recognise that vector drawings consist of layers</li> <li>group objects to make them easier to work with</li> <li>evaluate my vector drawing</li> </ul>	<ul style="list-style-type: none"> <li>use a computer to create and manipulate three-dimensional (3D) digital objects</li> <li>compare working digitally with 2D and 3D graphics</li> <li>construct a digital 3D model of a physical object</li> <li>identify that physical objects can be broken down into a collection of 3D shapes</li> <li>design a digital model by combining 3D objects</li> <li>develop and improve a digital 3D model</li> </ul>
		Autumn 1 Summer 2	Spring 1 Summer 1	Autumn 2 Summer 1	Spring 1 Summer 2	Autumn 2 Spring 2	Spring 2 Summer 1

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Data	<ul style="list-style-type: none"> <li>• Access content in a range of formats, e.g. image, video, audio</li> <li>• Answer basic questions about information displayed in images e.g. more or less</li> </ul>	<ul style="list-style-type: none"> <li>• label objects</li> <li>• identify that objects can be counted</li> <li>• describe objects in different ways</li> <li>• count objects with the same properties</li> <li>• compare groups of objects</li> <li>• answer questions about groups of objects</li> </ul>	<ul style="list-style-type: none"> <li>• recognise that we can count and compare objects using tally charts</li> <li>• recognise that objects can be represented as pictures</li> <li>• create a pictogram</li> <li>• select objects by attribute and make comparisons</li> <li>• recognise that people can be described by attributes</li> <li>• explain that we can present information using a computer</li> </ul>	<ul style="list-style-type: none"> <li>• create questions with yes/no answers</li> <li>• identify the object attributes needed to collect relevant data</li> <li>• create a branching database</li> <li>• identify objects using a branching database</li> <li>• explain why it is helpful for a database to be well structured</li> <li>• compare the information shown in a pictogram with a branching database</li> </ul>	<ul style="list-style-type: none"> <li>• explain that data gathered over time can be used to answer questions</li> <li>• use a digital device to collect data automatically</li> <li>• explain that a data logger collects 'data points' from sensors over time</li> <li>• use data collected over a long duration to find information</li> <li>• identify the data needed to answer questions</li> <li>• use collected data to answer questions</li> </ul>	<ul style="list-style-type: none"> <li>• use a form to record information</li> <li>• compare paper and computer-based databases</li> <li>• outline how grouping and then sorting data allows us to answer questions</li> <li>• explain that tools can be used to select specific data</li> <li>• explain that computer programs can be used to compare data visually</li> <li>• apply my knowledge of a database to ask and answer real-world questions</li> </ul>	<ul style="list-style-type: none"> <li>• identify questions which can be answered using data</li> <li>• explain that objects can be described using data</li> <li>• explain that formula can be used to produce calculated data</li> <li>• apply formulas to data, including duplicating</li> <li>• create a spreadsheet to plan an event</li> <li>• choose suitable ways to present data</li> </ul>
		Spring 1	Spring 2	Spring 2	Autumn 2	Summer 1	Spring 1

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Programming & Algorithms	<ul style="list-style-type: none"> <li>• explore technology</li> <li>• repeat an action with technology to trigger a specific outcome</li> <li>• recognise the success or failure of an action</li> <li>• follow simple instructions to control a digital device</li> <li>•</li> <li>•</li> </ul>	<ul style="list-style-type: none"> <li>• explain what a given command will do</li> <li>• act out a given word</li> <li>• combine forwards and backwards commands to make a sequence</li> <li>• combine four direction commands to make sequences</li> <li>• plan a simple program</li> <li>• find more than one solution to a problem</li> </ul>	<ul style="list-style-type: none"> <li>• describe a series of instructions as a sequence</li> <li>• plain what happens when we change the order of instructions</li> <li>• use logical reasoning to predict the outcome of a program (series of commands)</li> <li>• explain that programming projects can have code and artwork</li> <li>• design an algorithm</li> <li>• create and debug a program that I have written</li> </ul>	<ul style="list-style-type: none"> <li>• explore a new programming environment</li> <li>• identify that each sprite is controlled by the commands I choose</li> <li>• explain that a program has a start</li> <li>• recognise that a sequence of commands can have an order</li> <li>• change the appearance of my project</li> <li>• create a project from a task description</li> </ul>	<ul style="list-style-type: none"> <li>• identify that accuracy in programming is important</li> <li>• create a program in a text-based language</li> <li>• explain what 'repeat' means</li> <li>• modify a count-controlled loop to produce a given outcome</li> <li>• decompose a program into parts</li> <li>• create a program that uses count-controlled loops to produce a given outcome</li> </ul>	<ul style="list-style-type: none"> <li>• control a simple circuit connected to a computer</li> <li>• write a program that includes count-controlled loops</li> <li>• explain that a loop can stop when a condition is met, eg number of times</li> <li>• conclude that a loop can be used to repeatedly check whether a condition has been met</li> <li>• design a physical project that includes selection</li> <li>• create a controllable system that includes selection</li> </ul>	<ul style="list-style-type: none"> <li>• define a 'variable' as something that is changeable</li> <li>• explain why a variable is used in a program</li> <li>• choose how to improve a game by using variables</li> <li>• design a project that builds on a given example</li> <li>• use my design to create a project</li> <li>• evaluate my project</li> </ul>
	<ul style="list-style-type: none"> <li>• recognise that we control computers</li> <li>• input a short sequence of instructions to control a device</li> </ul>	<ul style="list-style-type: none"> <li>• choose a command for a given purpose</li> <li>• show that a series of commands can be joined together</li> <li>• identify the effect of changing a value</li> <li>• explain that each sprite has its own instructions</li> <li>• design the parts of a project</li> <li>• use my algorithm to create a program</li> </ul>	<ul style="list-style-type: none"> <li>• explain that a sequence of commands has a start</li> <li>• explain that a sequence of commands has an outcome</li> <li>• create a program using a given design</li> <li>• change a given design</li> <li>• create a program using my own design</li> <li>• decide how my project can be improved</li> </ul>	<ul style="list-style-type: none"> <li>• explain how a sprite moves in an existing project</li> <li>• create a program to move a sprite in four directions</li> <li>• adapt a program to a new context</li> <li>• develop my program by adding features</li> <li>• identify and fix bugs in a program</li> <li>• design and create a maze-based challenge</li> </ul>	<ul style="list-style-type: none"> <li>• develop the use of count-controlled loops in a different programming environment</li> <li>• explain that in programming there are infinite loops and count controlled loops</li> <li>• develop a design which includes two or more loops which run at the same time</li> <li>• modify an infinite loop in a given program</li> <li>• design a project that includes repetition</li> <li>• create a project that includes repetition</li> </ul>	<ul style="list-style-type: none"> <li>• explain how selection is used in computer programs</li> <li>• relate that a conditional statement connects a condition to an outcome</li> <li>• explain how selection directs the flow of a program</li> <li>• design a program which uses selection</li> <li>• create a program which uses selection</li> <li>• evaluate my program</li> </ul>	<ul style="list-style-type: none"> <li>• create a program to run on a controllable device</li> <li>• explain that selection can control the flow of a program</li> <li>• update a variable with a user input</li> <li>• use an conditional statement to compare a variable to a value</li> <li>• design a project that uses inputs and outputs on a controllable device</li> <li>• develop a program to use inputs and outputs on a controllable device</li> </ul>
		Autumn 2 Spring 2	Autumn 2 Summer 2	Spring 1 Summer 2	Spring 2 Summer 1	Spring 1 Summer 2	Autumn 2 Summer 2

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**Digital Literacy – including online safety. This is not taught as a discrete subject through other computing units (specifically What is a Computer?) and through the PSHCE Curriculum**

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Self-Image and Identity	<ul style="list-style-type: none"> <li>recognise, online or offline, that anyone can say 'no' - 'please stop' - 'I'll tell' - 'I'll ask' to somebody who makes them feel sad, uncomfortable, embarrassed or upset</li> </ul>	<ul style="list-style-type: none"> <li>recognise that there may be people online who could make someone feel sad, embarrassed or upset</li> <li>give examples of when and how to speak to an adult I can trust and how they can help</li> </ul>	<ul style="list-style-type: none"> <li>explain how other people may look and act differently online and offline</li> <li>give examples of issues online that might make someone feel sad, worried, uncomfortable or frightened and how they might get help</li> </ul>	<ul style="list-style-type: none"> <li>explain what is meant by the term 'identity'</li> <li>explain how people can represent themselves in different ways online</li> <li>explain ways in which someone might change their identity depending on what they are doing online</li> </ul>	<ul style="list-style-type: none"> <li>explain how my online identity can be different to my offline identity</li> <li>describe positive ways for someone to interact with others online and understand how this will positively impact on how others perceive them</li> <li>explain that others online can pretend to be someone else, including my friends, and can suggest reasons why they might do this</li> </ul>	<ul style="list-style-type: none"> <li>explain how identity online can be copied, modified or altered</li> <li>demonstrate how to make responsible choices about having an online identity, depending on context</li> </ul>	<ul style="list-style-type: none"> <li>identify and critically evaluate online content relating to gender, race, religion, disability, culture and other groups, and explain why it is important to challenge and reject inappropriate representations online</li> <li>can describe issues online that could make anyone feel sad, worried, uncomfortable or frightened. I know and can give examples of how to get help, both on and offline</li> <li>explain the importance of asking until I get the help needed</li> </ul>

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Online Reputation	<ul style="list-style-type: none"> <li>identify ways that I can put information on the internet</li> </ul>	<ul style="list-style-type: none"> <li>recognise that information can stay online and could be copied</li> <li>describe what information I should not put online without asking a trusted adult first</li> </ul>	<ul style="list-style-type: none"> <li>explain how information put online about someone can last for a long time</li> <li>describe how anyone's online information could be seen by others</li> <li>know who to talk to if something has been put online without consent or if it is incorrect</li> </ul>	<ul style="list-style-type: none"> <li>explain how to search for information about others online</li> <li>give examples of what anyone may or may not be willing to share about themselves online and explain the need to be careful before sharing anything personal</li> <li>explain who someone can ask if they are unsure about putting something online</li> </ul>	<ul style="list-style-type: none"> <li>describe how to find out information about others by searching online</li> <li>explain ways that some of the information about anyone online could have been created, copied or shared by others</li> </ul>	<ul style="list-style-type: none"> <li>search for information about an individual online and summarise the information found</li> <li>describe ways that information about anyone online can be used by others to make judgments about an individual and why these may be incorrect</li> </ul>	<ul style="list-style-type: none"> <li>explain the ways in which anyone can develop a positive online reputation</li> <li>explain strategies anyone can use to protect their 'digital personality' and online reputation, including degrees of anonymity</li> </ul>

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Online Bullying	<ul style="list-style-type: none"> <li>describe ways that some people can be unkind online</li> <li>offer examples of how this can make others feel</li> </ul>	<ul style="list-style-type: none"> <li>describe how to behave online in ways that do not upset others and can give examples</li> </ul>	<ul style="list-style-type: none"> <li>explain what bullying is, how people may bully others and how bullying can make someone feel</li> <li>explain why anyone who experiences bullying is not to blame</li> <li>talk about how anyone experiencing bullying can get help</li> </ul>	<ul style="list-style-type: none"> <li>describe appropriate ways to behave towards other people online and why this is important</li> <li>give examples of how bullying behaviour could appear online and how someone can get support</li> </ul>	<ul style="list-style-type: none"> <li>recognise when someone is upset, hurt or angry online</li> <li>describe ways people can be bullied through a range of media</li> <li>explain why people need to think carefully about how content they post might affect others, their feelings and how it may affect how others feel about them (their reputation)</li> </ul>	<ul style="list-style-type: none"> <li>recognise online bullying can be different to bullying in the physical world and can describe some of those differences</li> <li>describe how what one person perceives as playful joking and teasing (including 'banter') might be experienced by others as bullying</li> <li>explain how anyone can get help if they are being bullied online and identify when to tell a trusted adult</li> <li>identify a range of ways to report concerns and access support both in school and at home about online bullying</li> <li>explain how anyone can get help if they are being bullied online and identify when to tell a trusted adult</li> <li>identify a range of ways to report concerns and access support both in school and at home about online bullying</li> <li>explain how to block abusive users</li> <li>describe the helpline services which can help people experiencing bullying, and how to access them</li> </ul>	<ul style="list-style-type: none"> <li>describe how to capture bullying content as evidence (e.g screen-grab, URL, profile) to share with others who can help me</li> <li>explain how someone would report online bullying in different contexts</li> </ul>

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	FS2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
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# Computing Skills Progression Map

Managing Online Information	<ul style="list-style-type: none"> <li>talk about how to use the internet as a way of finding information online</li> <li>identify devices I could use to access information on the internet</li> </ul>	<ul style="list-style-type: none"> <li>know how to find information using digital technologies, e.g. search engines, voice activated searching</li> </ul>	<ul style="list-style-type: none"> <li>use simple keywords in search engines</li> <li>demonstrate how to navigate a simple webpage to get to information I need</li> <li>explain what voice activated searching is and how it might be used, and know it is not a real person (e.g. Alexa, Google Now, Siri)</li> <li>explain the difference between things that are imaginary, 'made up' or 'make believe' and things that are 'true' or 'real'</li> <li>explain why some information I find online may not be real or true</li> </ul>	<ul style="list-style-type: none"> <li>demonstrate how to use key phrases in search engines to gather accurate information online</li> <li>explain what autocomplete is and how to choose the best suggestion</li> <li>explain how the internet can be used to sell and buy things</li> <li>explain the difference between a 'belief', an 'opinion' and a 'fact' and give examples of how and where they might be shared online</li> <li>explain that not all opinions shared may be accepted as true or fair by others</li> <li>describe and demonstrate how we can get help from a trusted adult if we see content that makes us feel sad, uncomfortable, worried or frightened</li> </ul>	<ul style="list-style-type: none"> <li>analyse information to make a judgement about probable accuracy</li> <li>understand why it is important to make my own decisions regarding content and that my decisions are respected by others</li> <li>describe how to search for information within a wide group of technologies</li> <li>make a judgement about probable accuracy</li> <li>describe some of the methods used to encourage people to buy things online</li> <li>recognise some of these when they appear online</li> <li>explain why lots of people sharing the same opinions or beliefs online do not make those opinions or beliefs true</li> <li>explain that technology can be designed to act like or impersonate living things (e.g. bots) and describe what the benefits and the risks might be</li> <li>explain what is meant by fake news</li> </ul>	<ul style="list-style-type: none"> <li>explain the benefits and limitations of using different types of search technologies</li> <li>explain how some technology can limit the information presented</li> <li>explain what is meant by 'being sceptical'; I can give examples of when and why it is important to be 'sceptical'</li> <li>evaluate digital content and can explain how to make choices about what is trustworthy</li> <li>explain key concepts including: information, reviews, fact, opinion, belief, validity, reliability and evidence</li> <li>identify ways the internet can draw us to information for different agendas</li> <li>describe ways of identifying when online content has been commercially sponsored or boosted</li> <li>explain what is meant by the term 'stereotype', how 'stereotypes' are amplified and reinforced online, and why accepting 'stereotypes' may influence how people think about others</li> <li>describe how fake news may affect someone's emotions and behaviour, and explain why this may be harmful</li> <li>explain what is meant by a 'hoax'</li> <li>explain why someone would need to think carefully before sharing</li> </ul>	<ul style="list-style-type: none"> <li>explain how search engines work and how results are selected and ranked</li> <li>explain how to use search technologies effectively</li> <li>describe how some online information can be opinion and can offer examples</li> <li>explain how and why some people may present 'opinions' as 'facts'; why the popularity of an opinion or the personalities of those promoting it does not necessarily make it true, fair or perhaps even legal</li> <li>define the terms 'influence', 'manipulation' and 'persuasion' and explain how someone might encounter these online</li> <li>understand the concept of persuasive design and how it can be used to influence peoples' choices</li> <li>demonstrate how to analyse and evaluate the validity of 'facts' and information and I can explain why using these strategies are important</li> <li>explain how companies and news providers target people with online news stories they are more likely to engage with and how to recognise this</li> <li>describe the difference between online misinformation and dis-information</li> <li>explain why information that is on a large number of sites may still be inaccurate or untrue. I can assess how this might happen</li> <li>identify, flag and report inappropriate content</li> </ul>
	FS2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6



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<p>Health, Well-being and Lifestyle</p>	<ul style="list-style-type: none"> <li>• identify and give examples of rules that help keep us safe and healthy in and beyond the home when using technology</li> </ul>	<ul style="list-style-type: none"> <li>• explain rules to keep myself safe when using technology both in and beyond the home</li> </ul>	<ul style="list-style-type: none"> <li>• explain simple guidance for using technology in different environments and settings</li> <li>• know how those rules / guides can help anyone accessing online technologies</li> </ul>	<ul style="list-style-type: none"> <li>• explain why spending too much time using technology can sometimes have a negative impact on anyone</li> <li>• give some examples of both positive and negative activities where it is easy to spend a lot of time engaged</li> <li>• explain why some online activities have age restrictions, why it is important to follow them and know who I can talk to if others pressure me to watch or do something online that makes me feel uncomfortable</li> </ul>	<ul style="list-style-type: none"> <li>• explain how using technology can be a distraction from other things, in both a positive and negative way</li> <li>• identify times or situations when someone may need to limit the amount of time they use technology</li> </ul>	<ul style="list-style-type: none"> <li>• describe ways technology can affect health and well-being both positively (e.g. mindfulness apps) and negatively</li> <li>• describe some strategies, tips or advice to promote health and wellbeing with regards to technology</li> <li>• recognise the benefits and risks of accessing information about health and well-being online and how we should balance this with talking to trusted adults and professionals</li> <li>• explain how and why some apps and games may request or take payment for additional content and explain the importance of seeking permission from a trusted adult before purchasing</li> </ul>	<ul style="list-style-type: none"> <li>• describe common systems that regulate age-related content (e.g. PEGI, BBFC, parental warnings) and describe their purpose</li> <li>• recognise and discuss the pressures that technology can place on someone and how / when they could manage this</li> <li>• recognise features of persuasive design and how they are used to keep users engaged</li> <li>• assess and action different strategies to limit the impact of technology on health</li> </ul>
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FS2

Year 1

Year 2

Year 3

Year 4

Year 5

Year 6

# Computing Skills Progression Map

<p><b>Privacy and Security</b></p>	<ul style="list-style-type: none"> <li>• identify some simple examples of my personal information (e.g. name, address, birthday, age, location)</li> <li>• describe who would be trustworthy to share this information with and why they are trusted</li> </ul>	<ul style="list-style-type: none"> <li>• explain that passwords are used to protect information, accounts and devices</li> <li>• recognise more detailed examples of information that is personal to someone</li> <li>• explain why it is important to always ask a trusted adult before sharing any personal information online, belonging to myself or others</li> </ul>	<ul style="list-style-type: none"> <li>• explain how passwords can be used to protect information, accounts and devices</li> <li>• explain and give examples of what is meant by 'private' and 'keeping things private'</li> <li>• describe and explain some rules for keeping personal information private</li> <li>• explain how some people may have devices in their homes connected to the internet and give examples</li> </ul>	<ul style="list-style-type: none"> <li>• describe simple strategies for creating and keeping passwords private</li> <li>• give reasons why someone should only share information with people they choose to and can trust</li> <li>• explain that if they are not sure or feel pressured then they should tell a trusted adult</li> <li>• describe how connected devices can collect and share anyone's information with others</li> </ul>	<ul style="list-style-type: none"> <li>• describe strategies for keeping personal information private, depending on context</li> <li>• explain that internet use is never fully private and is monitored</li> <li>• describe how some online services may seek consent to store</li> <li>• know how to respond appropriately and who to ask if unsure</li> </ul>	<ul style="list-style-type: none"> <li>• explain what a strong password is and demonstrate how to create one</li> <li>• can explain how many free apps or services may read and share private information</li> <li>• explain what app permissions are and can give some examples</li> </ul>	<ul style="list-style-type: none"> <li>• describe effective ways people can manage passwords</li> <li>• explain what to do if a password is shared, lost or stolen</li> <li>• describe how and why people should keep their software and apps up to date</li> <li>• describe simple ways to increase privacy on apps and services that provide privacy settings</li> <li>• describe ways in which some online content targets people to gain money or information illegally; I can describe strategies to help me identify such content</li> <li>• know that online services have terms and conditions that govern their use</li> </ul>
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	FS2	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p><b>Copyright and Ownership</b></p>	<ul style="list-style-type: none"> <li>• know that work I create belongs to me</li> <li>• name my work so that others know it belongs to me</li> </ul>	<ul style="list-style-type: none"> <li>• explain why work I create using technology belongs to me</li> <li>• say why it belongs to me</li> <li>• save my work under a suitable title or name so that others know it belongs to me</li> <li>• understand that work created by others does not belong to me even if I save a copy</li> </ul>	<ul style="list-style-type: none"> <li>• recognise that content on the internet may belong to other people</li> <li>• describe why other people's work belongs to them</li> </ul>	<ul style="list-style-type: none"> <li>• explain why copying someone else's work from the internet without permission isn't fair and can explain what problems this might cause</li> </ul>	<ul style="list-style-type: none"> <li>• consider who owns internet content whether they have the right to reuse it</li> <li>• give some simple examples of content which I must not use without permission from the owner</li> </ul>	<ul style="list-style-type: none"> <li>• assess and justify when it is acceptable to use the work of others</li> <li>• give examples of content that is permitted to be reused and know how this content can be found online</li> </ul>	<ul style="list-style-type: none"> <li>• demonstrate the use of search tools to find and access online content which can be reused by others</li> <li>• demonstrate how to make references to and acknowledge sources I have used from the internet</li> </ul>