

Computing 2024-2025

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	<b>Early computing skills: developing collaboration, perseverance, Logic, Pattern, Abstraction, Algorithms and Decomposition</b>					
	Show resilience and perseverance in the face of a challenge. • Know and talk about the different factors that support their overall health and wellbeing: -sensible amounts of ‘screen time’. Develop their small motor skills so that they can use a range of tools competently, safely and confidently. • Explore, use and refine a variety of artistic effects to express their ideas and feelings.					
	Self-image and identity I can 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.	Privacy and Security I can identify some simple examples of my personal information (e.g. name, address, birthday, age, location).	Online Relationships I can recognise some ways in which the internet can be used to communicate.	Online Bullying I can describe ways that some people can be unkind online.	Managing Online Information I can talk about how to use the internet as a way of finding information online.	Health, Well-being and Lifestyle I can identify rules that help keep us safe and healthy in and beyond the home when using technology.
Year 1	Computing systems and networks - Technology around us	Creating media – Digital painting	Programming A – Moving a robot	Data and information – Grouping Data	Creating media – Digital writing	Programming B - Animations
	Self-image and identity I can recognise that there may be people online who could make someone feel sad, embarrassed or upset.	Privacy and Security I can explain how passwords are used to protect information, accounts and devices.	Online Relationships I can give examples of when I should ask permission to do something online and explain why this is important.	Online Bullying I can describe how to behave online in ways that do not upset others and can give examples.	Managing Online Information I know / understand that we can encounter a range of things online including things we like and don’t like as well as things which are real or make believe / a joke.	Online Reputation I can recognise that information can stay online and could be copied.
Year 2	Computing systems and networks – IT around us	Creating media – Digital photography	Programming A – Robot algorithms	Data and information – Pictograms	Creating media – Digital Music	Programming B – Programming quizzes
	Self-image and identity I can explain how other people may look and act differently online and offline.	Privacy and Security I can explain how passwords can be used to protect information, accounts and devices.	Online Relationships I can give examples of how someone might use technology to communicate with others they don’t also know offline and explain why this might be risky.	Online Bullying I can explain what bullying is, how people may bully others and how bullying can make someone feel.	Managing Online Information I can use simple keywords in search engines.	Online Reputation I can explain how information put online about someone can last for a long time.
	Touch Type		Microsoft office		Microsoft Excel	

Year 3	Computing systems and networks – Connecting computers	Creating media – Stop-frame animation	Programming A – Sequencing sounds	Data and information – Branching databases	Creating media – Desktop publishing	Programming B – Events and actions in programs
	Self-image and identity I can explain how people can represent themselves in different ways online.	Privacy and Security I can describe simple strategies for creating and keeping passwords private.	Online Relationships I can explain what it means to 'know someone' online and why this might be different from knowing someone offline.	Online Bullying I can describe appropriate ways to behave towards other people online and why this is important.	Managing Online Information I can demonstrate how to use key phrases in search engines to gather accurate information online.	Online Reputation I can explain how to search for information about others online.
	Touch Type		Microsoft office		Microsoft Excel	
Year 4	Computing systems and networks – The Internet	Creating media – Audio production	Programming A – Repetition in shapes	Data and information – Data logging	Creating media – Photo editing	Programming B – Repetition in games
	Self-image and identity I can explain that others online can pretend to be someone else, including my friends, and can suggest reasons why they might do this.	Privacy and Security I can describe strategies for keeping personal information private, depending on context.	Online Relationships I can explain how content shared online may feel unimportant to one person but may be important to other people's thoughts feelings and beliefs.	Online Bullying I can describe ways people can be bullied through a range of media.	Managing Online Information I can analyse information to make a judgement about probable accuracy and I understand why it is important to make my own decisions regarding content and that my decisions are respected by others.	Online Reputation I can explain ways that some of the information about anyone online could have been created, copied or shared by others.
	Touch Type		Microsoft office		Microsoft Excel	
Year 5	Computing systems and networks – Systems and searching	Creating media – Video production	Programming A – Selection in physical computing	Data and information – Flat-file databases	Creating media – Vector graphics	Programming B – Selection in quizzes
	Self-image and identity I can demonstrate how to make responsible choices about having an online identity, depending on context.	Privacy and Security I can explain how many free apps or services may read and share private information.	Online Relationships I can explain that there are some people I communicate with online who may want to do me or my friends harm. I can recognise that this is not my / our fault. I can explain how someone can get help if they are having problems and identify when to tell a trusted adult.	Online Bullying I can recognise online bullying can be different to bullying in the physical world and can describe some of those differences.	Managing Online Information I can explain what is meant by 'being sceptical'; I can give examples of when and why it is important to be 'sceptical'.	Online Reputation I can describe ways that information about anyone online can be used by others to make judgments about an individual and why these may be incorrect.
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Year 6	Computing systems and networks – Communication and collaboration	Creating media – Web page creation	Programming A – Variables in games	Data and information – Introduction to Spreadsheets	Creating media – 3D Modelling	Programming B – Sensing movement
	<p>Self-image and identity</p> <p>I can 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.</p>	<p>Privacy and Security</p> <p>I can explain what to do if a password is shared, lost or stolen.</p> <p>I can describe simple ways to increase privacy on apps and services that provide privacy settings.</p>	<p>Online Relationships</p> <p>I can explain how sharing something online may have an impact either positively or negatively.</p>	<p>Online Bullying</p> <p>I can describe how to capture bullying content as evidence (e.g screen-grab, URL, profile) to share with others who can help me.</p> <p>I can explain how someone would report online bullying in different contexts.</p>	<p>Managing Online Information</p> <p>I can explain how search engines work and how results are selected and ranked.</p> <p>I can explain how to use search technologies effectively.</p> <p>can define the terms 'influence', 'manipulation' and 'persuasion' and explain how someone might encounter these online.</p>	<p>Online Reputation</p> <p>I can explain strategies anyone can use to protect their 'digital personality' and online reputation, including degrees of anonymity.</p>
	Touch Type		Microsoft office		Microsoft Excel	

Children should regularly use a word processor for a purpose in KS2.