	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Y1	What are the rules to keep us safe online?	What do I need to learn to use technology independently?	How do I keep my personal information private?	What is an algorithm and how do I create them?	What is online bullying and how do I protect myself from it?	How do I create content with words and pictures?
	 School rules for safe internet us Online safety - GP scenarios 1, 2 & 3: 'new people' information sharing passwords 	 turning hardware on and off saving and retrieving document 	 Safer internet day fake profiles selfies and personal info different types of shared online info where to go for help and support seeking permission devices containing cameras (GP scenarios 4, 5, 6 & 7) 	 Understanding and exploring algorithms as precise and unambiguous instructions. Programming beebots 	 Using technology safely and respectfully. und' online bullying and where to go for support game ratings, tags and avatars search terms star ratings dealing with pop ups. (GP scenarios 8, 9 & 10) 	exploring apps and programs
	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:
Y2	How do we protect ourselves online?	What is personal information and why are passwords so important?	Should I put my photo online?	How do I protect other people online?	What do I do if I am bullied online?	How do I play games safely online?
	 Online safety rules (GP1) Algorithms 	 Personal information and passwords (GP2/3) Debugging simple algorithms. 	Safer internet day Fake profiles Friend requests Personal information (GP 4/5) Uses of technology 	 Sharing other's information Photographic devices and staying safe. (GP 6/7) Uses of technology 	 Online bullying (GP8) Organising and manipulating digital content- simple presentations 	 Playing online games safely. (GP9/10) Downloading apps Using search functions Choosing appropriate games.
	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:

Y3	How do I use technology safely?	How do you write a sequenced programme?	How do you use search technologies?	How do I recognise unacceptable behaviour online?	How do I communicate safely online?	How do I report concerns about content and contact?
	Online safety GP scenario 1: Understand what to do if someone asks to be my friend online GP Scenario 2: Understand what makes a strong password and that it shouldn't be shared with friends Creating algorithms- block coding	Creating algorithms - hour of code Creating inputs/outputs in algorithms Programming an object to react to its environment GB Scenario 3: Understand that I should be careful when receiving emails that ask me to enter my personal online information	Safer internet day Collect and present information. Use search technologies. Online safety GP Scenario 4: posting photos online	Understanding and using technology safely Use search technologies. GP Scenario 5: Understand what geotagging GP Scenario 6: Understand what photo tagging is and what to do when someone tags me in a photo I do not want others to see. GP Scenario 7: Understand how to identify and respond positively to online bullying	GP Scenario 8: Understand how to communicate safely and sensibly online using chat rooms How can I apply my skills to create content? Design and create content. Use a variety of software to accomplish given goals. (Inc. green screen)	GP Scenario 9: Understand the risk of meeting people we chat with online, in real life. GP Scenario 10: Understand how to deal with phishing message Understanding and using technology safely, respectfully and responsibly. Use my knowledge of software to show my learning.
	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:
Y4	How can we protect our digital footprint?	How do I know what is trustworthy?	How can I be a responsible online user?	What is copyright?	How can we use apps safely?	What makes a password secure?
	 Online safety rules Digital footprint (GP 1) Cookies 	 Clickjacking Clickbait (GP 2) Using a webcam safely (GP 3) Use code to design and create. 	 IP addresses How to behave online (GP 4) Copyright 	 Copyright Gaming online (GP 5) 	 Safe use of apps (GP 8) App permissions 	 Strong passwords (GP 10) Selfies (GP 9)

	 Using a program 		 Using media online (GP 6) Safer internet day 	 Downloading music safely (GP 7) Reliable research Graphic novels 	 Data and information Collecting data 	 Collecting, present and analyse data
	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:
Y5	How can I stay safe online?	How can I programme a game?	What is the best way to present my data?	How can I use a range of media to tell a story?	How do computers communicate with each other?	What are the signs of fake online profiles?
	Being responsible online How to report concerns and respond safely to contact from new people online. (GP 1) How to recognise and respond safely to junk email. (GP 2) Understand how connected devices share our information (GP 3)	Debug and write algorithms including variables Design and create a game using block coding	Collect and present data e.g. using Excel How to respond to extreme, tempting or emotional promises. (GP4)	Storyboard and create an animation Sharing of appropriate content (GP5) Recognise and respond to online bullying (GP 6)	Understand computer networks and binary code Understand the impact of our online choices. (GP7) Understand how to respond safely to tempting emails and online offers. (GP8)	Understand how to spot a fake online profile. (GP9) Understand what gambling is and what its risk / consequences can be. (GP10)
	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:
Y6	How do I create a program?	What is sequence, selection and repetition?	How does a network work?	How can we use networks to improve our work?	How can we find the best information online?	How can we collect, analyse and present data using ICT?
	Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve	Use sequence, selection, and repetition in programs; work with variables and various forms of input and output	Understand how external computer networks can provide multiple services, such as the World Wide Web	Understand the opportunities networks offer for communication and collaboration Understand how	Use search technologies effectively, appreciate how results are selected and ranked, and be	Select, use and combine a variety of software (including internet services) on a range of digital devices to design and

problems by decomposing them into smaller parts Understand the school online safety rules. GP 1: avoid and respond safely to problems online.	Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs GP 2: Digital footprint GP 3: unacceptable digit content and how to respond.	Safer internet day GP 4: Share safely and responsibly GP5:Online grooming	monitoring and filtering tools are used on the school network GP 6: streaming, downloading and uploading. GP 7: secure passwords.	discerning in evaluating digital content GP 8: Understand what is meant by making and sharing inappropriate images. GP 9: screen time and health.	create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information GP 10: Understand how to recognise the signs of grooming and how to respond safely. GP 11: risks of sharing and posting online.
Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links:	Cross curricular links: