### **Intent**

- We aim to prepare our children for a rapidly changing world through the use of technology at St Mary's Primary School and to be able to thrive as responsible, independent, confident and digital citizens. Therefore, we want to educate our children on how to use technology safely and positively
- We want the use of technology to support learning across the entire curriculum and to ensure that our curriculum is accessible to every child making them digitally literate and to develop their creativity, resilience, problem solving and critical thinking skills
- We recognise that technology can allow children to share their learning in creative ways giving them a breath of experience to develop their understanding of themselves as individuals within their community but also as responsible digital citizens

By the end of KS2 we want all the children to be flexible, creative and responsible and independent user of technology, who are able to use to fulfil the task and challenge set by their teachers.

### Implementation

We believe that children should be using computers from an early age to help improve their skills when navigating and using devices such as iPads, laptops and Chromebooks. Computing is implemented across all aspects of our school curriculum: Google Classroom is used for online learning and homework; Reading Planet is used to improve children's reading skills; Times Tables Rock stars is used in Maths during lessons. Lessons are designed to ensure full coverage of expectations set out in the Early Adopters EYFS Curriculum Framework and the National Curriculum, and offer the opportunity for both knowledge and skills progression.

At St Mary's Primary School, we believe that a clear and effective scheme of work, which provides coverage in line with the National Curriculum is essential to meet the requirements of our children in order for them to thrive. We believe that a clear and effective scheme of work, which provides enhanced collaborative learning opportunities; better engagement of pupils; easier access to rich content; support understanding of new concepts and can support the needs of all our pupils. This is all to ensure that children are being exposed to high-quality lessons focusing on the skills and knowledge required to be successful computational thinkers. For this we have invested in Purple Mash. This ensures that all key areas of the computing curriculum are taught and revisited during a child's primary school years. This allows our children to build on their learning year after year, building on their vocabulary and to also practice skills where they may not be as confident and likewise, progress their knowledge and skills even further.

We strive to keep children safe online and provide them with the knowledge and tools to do so. We will also empower parents, carers and the wider community with up-to-date information regarding keeping children safe online. We recognise the unique contribution that e-learning makes to the motivation and effectiveness of children in our school and the role that the school has in preparing pupils for their future by improving their knowledge and understanding of how technology is an aid to learning.

In the Foundation Stage, children will be given the opportunity to access play-based experience of ICT in a range of context such as iPads, Bee-Bots, interactive whiteboards, cameras and battery-operated toys, metal detectors, control remotely operated toys including outdoor play. ICT will be used to support children learning in all areas of the curriculum to develop their confidence, control and communication skills.

### Kev Stage 1

During Key Stage 1, children will begin to develop their use of programs and apps to communicate, understand and present their learning in different subjects. They will be able to write and test simple programs and know how to communicate safely and respectfully online, keeping personal information private.

sound files

During Key Stage 2, children will learn to use a wide range of apps and programs to accomplish specific goals. Through engaging tasks and challenges, children will develop a deep understanding of computer science, knowing how to develop and create their own programs for a range of purposes. They will also develop their digital literacy, showing they know how to use technology respectfully and safely.

	Children will be confident users of technology, able to use it to accomplish a wide variety of goals, both at home and in school								
	Children will have a secure and comprehensive knowledge of the implications of technology and digital systems. This is important in a society where technologies and trends are rapidly evolving								
			cy, tolerance, mutual respect, rule of law a	nd liberty when using digital systems					
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
	Enthusiasm	Imitation	Concentration	Perseverance	Confidence	Improving	Confidence		
	Word processing/Typing skills and knowledge								
NC Objectives	Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.			Co2/1.6 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.					
Skills and knowledge	I can play on a touch screen game and use computers/keyboards/mouse in role play I can I can type letters with increasing confidence using a keyboard and tablet.	I can type words correctly on a digital device. I can use the space bar to make space and delete to delete letters/words I can make a new line using enter/return	I can use the space bar only once between words and use touch to navigate to words letter to edit I can copy and paste images and text I can use caps locks for capital letters. I can add images alongside text in a word processed document. I can dictate longer passages into a digital device with accurate punctuation.	I can use index fingers on keyboard home keys (f/j), use left fingers for a/s/ d/f/g, and use right fingers for h/j/k/l  I can edit the style and effect of my text and images to make my document more engaging and eye-catching. For example, borders and shadows.  I can use cut, copy and paste to quickly duplicate and organise text.	I can combine digital images from different sources, objects, and text to make a final piece of a variety of tasks: posters, documents, eBooks, scripts, leaflets. I can confidently and regularly use text shortcuts such as cut, copy and paste and delete to organise text I can use font sizes appropriately for audience and purpose. I can use spell check and thesaurus including through Siri and other Al technology	I can start to apply other useful effects to my documents such as hyperlinks. I can import sounds to accompany and enhance the text in my document. I can organise and reorganise text on screen to suit a purpose	I can confidently choose the best application to demonstrate my learning. I can format text to suit a purpose. I can publish my documents online regularly and discuss the audience and purpose of my content.		
Resources	iPad, laptops, keyboard Purple Mash program 2type	Word documents iPad & laptops	Word documents iPad, laptops, Purple Mash program 2 type	Word documents iPad, laptops, Purple Mash program 2 type	Online Typing club Purple Mash typing	Online Typing club Purple Mash typing	Online Typing club Purple Mash typing		
				Data handling					
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
NC objectives	Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.  Collect information as photos or	Co2/1.4 use technology purposefu and retrieve digital content. Look at how data is representing dig	lly to create, organise, store, manipulate	Co2/1.6 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.			create a range of programs, systems and		



Skills and knowledge	I can use a simple pictogram or set of photos to count and organise information	I can sort images or text into two or more categories on a digital device. I can collect data on a topic. I can create a pictogram. I can record myself explaining what I have done and what it shows me.	I can sort digital objects into a range of charts such as Venn diagrams, Carroll diagrams and bar charts using different apps and software.  I can orally record myself explaining what the data shows me.	I can start to input simple data I can create a feelings chart exploring a story or character's feelings. I can present data and information using different software such as 2Question (branching database) or 2Graph (graphing tool). (3.3, 3.6, 3.8,3.9)	I can create my own online multiple-choice questionnaire. I can input data into a spreadsheet and export the data in a variety of ways: charts, bar charts, pie charts. I understand how data is collected.	I can create and publish my own online questionnaire and analyse the results.     I can use simple formulae to solve calculations including =sum and other statistical functions     I can edit and format difference cells in a spreadsheet.	I can write spreadsheet formula to solve more challenging maths problems. I can create and publish my own online quiz with a range of media (images and video) Can compare a range of digital content sources and rate them in terms of content quality and accuracy. (6.1, 6.3, 6.4, 6.5, 6.7,6.9)	
Resources	Purple Mash – 2count	Purple Mash – 2investigate 2 count	Purple Mash – 2investigate 2count Pictogram	Data handling tool Purple Mash	Data handling tool Purple Mash	Data handling tool Purple Mash	Data handling tool Purple Mash	
				Computer thinking				
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
NC Objectives	Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.	Co2/1.4 use technology purposefu and retrieve digital content.	lly to create, organise, store, manipulate	Co2/1.6 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.				
Skills and knowledge	I can record my voice over a picture. I can create a simple digital collage. I can move and resize images with my fingers or mouse.	I can add sound, pictures and text to a program such as 2Create a Story. (1.6)	I can include photos, text and sound in my creations.	I can create an interactive comic with sounds, formatted text and video. I can annotate an image with videos I can create a simple digital timeline/mind map I can create a simple web page.	I can share digital content using a variety of applications such as: 2Blog, 2Email and Display Boards. (Across units)	I can use the most appropriate form of online communication according to the digital content. For example, use 2Email, 2Blog and Display Boards. I can make appropriate improvements to digital work I have created.	I can create a web site which includes a variety of media. I can design an app prototype that links multimedia pages together with hyperlinks. Can design and create my own online blogs. (6.4) I can evaluate my own content and consider ways to improvements. Can explain the difference between the internet and the World Wide Web. (6.2, 6.4,6.6)	
Resources	iPad, Purple Mash & Audio apps	iPad scratch junior , Purple Mash & Audio apps	iPad scratch junior Purple Mash & Audio apps	iPad, Scratch program Purple Mash & Audio apps	Scratch online, iPad, Purple Mash & Audio apps	Scratch online, iPad, Purple Mash & Audio apps	Scratch online, iPad, Purple Mash & Audio apps	
				Video creation				
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
NC Objectives	Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.	Co2/1.4 use technology purposefu and retrieve digital content.	lly to create, organise, store, manipulate	Co2/1.6 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.				
Skills and k nowledge	I know the difference between a photography and video. I can play a film I can watch films back	I can record a film using the camera app. I can select images and record a voiceover. I can highlight and zoom into images as I record.	I can write and record a script using a teleprompter tool. I can use tools to add effects to a video I can begin to use green screen techniques with support	I can sequence clips of mixed media in a timeline and record a voiceover I can trim and cut film clips and add titles and transitions I can independently create a green screen clip. I can create my own movie trailer.	I can add music and sound effects to my films I can add animated titles and transitions I can add simple subtitles to a video clip. I can use confidently use green screen adding animated backgrounds.	I can use cutaway and split screen tools in iMovie.    I can evaluate and improve the best video tools to best explain my understanding.	I can use picture in picture tools in iMovie. Can add animated subtitles to my film to further enhance my creation. I can create videos using a range of media animations, film and image.	
Resources	iPad, camera and other resources	iPad, Purple Mash, video, camera and other resources	iMovie, Purple Mash, video, camera and other resources	iMovie, Purple Mash, video, camera and other resources	iMovie, Purple Mash, video, camera and other resources	iMovie, Purple Mash, video, camera and other resources	iMovie, Purple Mash, video, camera and other resources	
				Coding and Programs	ming			
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
NC Objectives	Children recognise that a range of technology is used in places such as homes and schools. They select and use technology for particular purposes.	programs on digital devices; and the and unambiguous instructions Co2/	ns are; how they are implemented as at programs execute by following precise 1.2 create and debug simple programs redict the behaviour of simple programs	Co2/1.1 design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts  Co2/1.2 use sequence, selection, and repetition in programs; work with variables and various forms of input and output  Co2/1.3 use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs  Co2/1.4 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				
Skills and knowledge	I can use a mouse, touch screen or appropriate access device to target and select options on screen	I can create a simple program e.g. sequence of instructions for a Bee Bot	I can explain an algorithm is a set of instructions to complete a task. (2.1)     I know I need to carefully plan my algorithm so it will work when I make it into code. (2.1)	I can make a real-life situation into an algorithm for a program.  3.1) I can design an algorithm carefully, thinking about what I	I can turn a real-life situation to solve into an algorithm, using a design that shows how I can accomplish this in code. (4.1, 4.5)	I can make more complex real-life problems into algorithms for a program.  (5.1)     I can test and debug my programs as I work. (5.1, 5.5)	I can turn a complex programming task into an algorithm. (6.1)     I can identify the important aspects of a programming task (abstraction). (6.1)	

Resources	I can input a simple sequence of commands to control a digital device with support (Bee Bot)  Bee-Bot  Bee-Bot	• I can use sequence in programs I can locate and fix bugs in my program  Bee bot , Daisy the Dino, Scratch	I can design a simple program using 2Code that achieves a purpose. I can find and correct some errors in my program. (2.1) I can say what will happen in a program. (2.1) I can spot something in a program that has an action or effect (does something).  Bee Bot, Scratch Junior	want it to do and how I can turn it into code. (3.1)  I can identify an error in my program and fix it. (3.1)  I can experiment with timers in my programs. (3.1)  I can identify the difference in using between the effect of a timer or repeat	Scratch 3	I can convert (translate) algorithms that contain sequence, selection and repetition into code that works. (5.1) • I can use sequence, selection, repetition, and some other coding structures in my code. (5.1) I can organise my code carefully for example, naming variables and using tabs. I know this will help me debug more efficiently. (5.1) I can use logical methods to identify the cause of any bug with support to identify the specific line of code. (5.1)  Scratch 3	I can decompose important aspects of a programming task in a logical way, identifying appropriate coding structures that would work. (6.1) I can test and debug my program as I work on it and use logical methods to identify a cause of a bug. (6.1) I can identify a specific line of code that is causing a problem in my program and attempt a fix. (6.1) I can translate algorithms that include sequence, selection and repetition into code and nest these structures within each other. (6.1) I can use inputs and outputs within my coded programs such as sound, movement and buttons and represent the state of an object (6.1, 6.7) Scratch 3
nesources	Dec Doi	Junior	Purple Mash	Purple Mash	Purple Mash	Purple Mash	Purple Mash
		Purple Mash					
		<u> </u>		Computer Networ	k Year 4	Year 5	Year 6
NC Objectives						nultiple services, such as the world wide web; a	
						anked, and be discerning in evaluating digital co	
Skills and knowledge				I can understand that computers in a school are connected together in a network I can understand why computers are networked I can identify different ways that the internet can be used for communication. (3.5) I can use email such as 2Email to respond to others appropriately and attach files. (3.5)	I can understand that servers on the Internet are located across the planet     I can understand how email is sent across the Internet	I can understand how we view web pages on the Internet I can use search technologies effectively I can appreciate how pages are ranked in a search engine	I can explain the difference between the internet and the World Wide Web. (6.2, 6.4,6.6) I can explain what a WAN and LAN is and describe the process of how access to the internet in school is possible. (6.2,6.6)
Resources				Purple Mash	Purple Mash	Purple Mash	Purple Mash
				Digital Literacy and E-Safety (Self In			
NC Objectives	EYFS Children recognise that a range	Year 1	Year 2 f information technology beyond school	Year 3	Year 4	Year 5	Year 6
NC Objectives	of technology is used in places such as homes and schools. They select and use technology for particular purposes.	Co2/1.6 use technology safely and information private; identify where	o	Co2/1.4 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  Co2/1.5 use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content  Co2/1.7 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact			
Skills and knowledge	I can recognise that I can say 'no' / 'please stop' / 'I'll tell' / 'I'll ask' to somebody who asks me to do something that makes me feel sad, embarrassed or upset. I can explain how this could be either in real life or online.	I can recognise that there may be people online who could make me feel sad, embarrassed or upset.  If something happens that makes me feel sad, worried, uncomfortable or frightened I can give examples of when and how to speak to an adult I can trust.	I can explain how other people's identity online can be different to their identity in real life. I can describe ways in which people might make themselves look different online. I can give examples of issues online that might make me feel sad, worried, uncomfortable or frightened; I can give examples of how I might get help.	I can explain what is meant by the term 'identity'. I can explain how I can represent myself in different ways online. I can explain ways in which and why I might change my identity depending on what I am doing online (e.g. gaming; using an avatar; social media).	I can explain how my online identity can be different to the identity I present in 'real life' Knowing this, I can describe the right decisions about how I interact with others and how others perceive me.	I can explain how identity online can be copied, modified or altered. I can demonstrate responsible choices about my online identity, depending on context  I can explain how identity, depending on context	I can describe ways in which media can shape ideas about gender. I can identify messages about gender roles and make judgements based on them. I can challenge and explain why it is important to reject inappropriate messages about gender online. I can describe issues online that might make me or others feel sad, worried, uncomfortable or frightened. I know and can give examples of how I might get help, both on and offline. I can explain why I should keep asking until I get the help I need.
Resources	e-Safety – Stranger danger	Hectors world Purple Mash	Smart crew videos, Purple Mash online safety	https://www.childnet.com/resourc  Use KS2 videos to discuss themes in http://www.bbc.co.uk/cbbc/clips/p	es/the-adventures-of-kara-winston-and-the		1-5

	FMEC	V	Digital Literacy and E-Safety (Online Relationship)  Voor 2  Voor 5  Voor 6					
NC Objectives	EYFS Children are a size that a second	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
NC Objectives	Children recognise that a range of technology is used in places	Co2/1.6 use technology safely and	f information technology beyond school	Co2/1.4 understand computer networks including the internet; how they can provide multiple services, such as the worldwide web; and the opportunities they offer for				
	such as homes and schools. They		to go for help and support when they	communication and collaboration  (2015) use carech technologies effectively, appreciate how results are selected and ranked, and he discorping in evaluating digital content.				
	select and use technology for		e internet or other online technologies	Co2/1.5 use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content  Co2/1.7 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and				
	particular purposes.	nave concerns about material on th	e internet or other online teermologies	COLD TO THE CONTROL OF THE PROPERTY OF THE PRO				
Skills and knowledge	I can recognise some ways in	I can use the internet with	I can use the internet to	I can describe ways people	I can describe strategies for safe and	I can explain that there are some	• I can show I understand my responsibilities	
	which the internet can be used	adult support to communicate	communicate with people I don't	who have similar likes and	fun experiences in a range of online	people I communicate with online who	for the well-being of others in my online	
	to communicate.	with people I know.	know well (e.g. email a pen pal in	interests can get together online.	social environments	may want to do me or my friends harm. I	social group.	
	<ul> <li>I can give examples of how I</li> </ul>	I can explain why it is	another school/ country). • I can give	I can explain some risks of	I can give examples of how to be	can recognise that this is not my/our	I can explain how impulsive and rash	
	(might) use technology to	important to be considerate and	examples of how I might use	communicating online with	respectful to others online.	fault.	communications online may cause problems	
	communicate with people I	kind to people online.	technology to communicate with	others I don't know well.		I can make positive contributions and	(e.g. flaming, content produced in live	
	know.		others I don't know well.	I can explain how my and other		be part of online communities.	streaming).	
				people's feelings can be hurt by		I can describe some of the communities	I can demonstrate how I would support	
				what is said or written online.		in which I am involved and describe how I	others (including those who are having	
						collaborate with others positively.	difficulties) online.	
							I can demonstrate ways of reporting problems online for both myself and my	
							friends.	
Resources	E-Safety discussion	Purple Mash and other resources	Purple Mash and other resources	Purple Mash and other resources	Purple Mash and other resources	Purple Mash and other resources	Purple Mash and other resources	
Resources	E safety discussion	Turple Wash and other resources	r arpic wash and other resources	Digital Literacy and E-Safety (Or		Turple Mush and other resources	Turple Mush and other resources	
	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
NC Objectives	Children recognise that a range		f information technology beyond school					
	of technology is used in places	Co2/1.6 use technology safely and		Co2/1.4 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				
	such as homes and schools. They		to go for help and support when they	CO2/1.5 use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content				
	select and use technology for	have concerns about material on th	e internet or other online technologies	Co2/1.7 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and				
particular purposes.								
Skills and knowledge	I can describe ways that some	I can describe how to behave	<ul> <li>I can give examples of bullying</li> </ul>	I can explain what bullying is	I can identify some online	<ul> <li>I can recognise when someone is upset,</li> </ul>	I can describe how to capture bullying	
	people can be unkind online.	online in ways that do not upset	behaviour and how it could look	and can describe how people	technologies where bullying might	hurt or angry online.	content as evidence (e.g screen-grab, URL,	
	<ul> <li>I can offer examples of how</li> </ul>	others and can give examples.	online.	may bully others.	take place.	I can describe how to get help for	profile) to share with others who can help	
	this can make others feel.		<ul> <li>I understand how bullying can make</li> </ul>	I can describe rules about how	I can describe ways people can be	someone that is being bullied online and	me.	
			someone feel.	to behave online and how I	bullied through a range of media (e.g.	assess when I need to do or say	I can identify a range of ways to report	
			I can talk about how someone	follow them.	image, video, text, chat).	something or tell someone.	concerns both in school and at home about	
			can/would get help about being		I can explain why I need to think	I can explain how to block abusive	online bullying	
			bullied online or offline.		carefully about how content I post	users.		
					might affect others, their feelings and how it may affect how others feel	I can explain how I would report online bullying on the apps and platforms that I		
					about them (their reputation).	use.		
Resources	Discussion	Purple Mash, discussion and assem	oly	Purple Mash , discussion and assem		ase.		
		T		Digital Literacy and E-Safety (Priva		T	T	
NO 01 ::	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
NC Objectives	Children recognise that a range	Co2/1.5 recognise common uses o Co2/1.6 use technology safely and	f information technology beyond school	Co2/1.4 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				
	of technology is used in places such as homes and schools. They		to go for help and support when they	Communication and collaboration  Co2/1.5 use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content				
	select and use technology for		e internet or other online technologies	Co2/1.5 use search technologies effectively, appreciate now results are selected and ranked, and be discerning in evaluating digital content  Co2/1.7 use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and				
	particular purposes.	nave concerns about material or th	e internet of other online teamologies	contact				
Skills and knowledge	I can identify some simple	I can recognise more detailed	I can describe why other people's	I can give reasons why I should	I can explain what a strong password	I can create and use strong and secure	I can use different passwords for a range	
Linz inionicuge	examples of my personal	examples of information that is	work belongs to them. • I can	only share information with	is.	passwords.	of online services.	
	information (e.g. name, address,	personal to me (e.g. where I live,	recognise that content on the internet	people I choose to and can trust.	I can describe strategies for keeping	I can explain how many free apps or	I can describe effective strategies for	
	birthday, age, location).	my family's names, where I go to	may belong to other people.	I can explain that if I am not sure	my personal information private,	services may read and share my private	managing those passwords (e.g. password	
	I can describe the people I can	school).		or I feel pressured, I should ask a	depending on context. • I can explain	information (e.g. friends, contacts, likes,	managers, acronyms, stories).	
	trust and can share this with; I	I can explain why I should		trusted adult.	that others online can pretend to be	images, videos, voice, messages, geo	I know what to do if my password is lost or	
	can explain why I can trust them.	always ask a trusted adult before		I can understand and can give	me or other people, including my	location) with others.	stolen.	
		I share any information about		reasons why passwords are	friends	I can explain how and why some apps	I can explain what app permissions are and	
		myself online.		important.	I can suggest reasons why they might	may request or take payment for	can give some examples from the	
		I can explain how passwords		I can describe simple strategies	do this	additional content (e.g. in-app purchases)	technology or services I use.	
		can be used to protect		for creating and keeping	I can explain how internet use can be	and explain why I should seek permission	I can describe simple ways to increase	
		information and devices.		passwords private.	monitored.	from a trusted adult before purchasing	privacy on apps and services that provide	
		1		I can describe how connected  devices can collect and share my			privacy settings.	
		1		devices can collect and share my information with others.				
Resources	Discussion	Discussion, Purple Mash and other	resources	Discussion, Purple Mash and other	resources	l	l	
Resources	Discussion	Discussion, rurple iviasii anu Other	Cources	Discussion, rurple Mastraliu Other	103041063			
				Vocabulary				
EYFS	Choices, Internet . Website, Equipm	nent . Buttons, Movement, Screen, Mo	use, Images, Keyboard Paint, Share, Collect,		. Organise			
		,		, ,				

Year 1	Online Safety and Exploring Purple Mash: Log in, Username, password, Avatar, Log out, Save, Notification
	Technology Outside of School: Technology
	Animated Story Books: Animation, E-Book, Font, File, Sound Effect, Display Boar
	Coding: Action, Button, Character, Coding, Command, Debug/ Debugging, Input, Object
Year 2	Online Safety: Search, Internet, Sharing, Digital footprint, Email
	Effective Searching: Internet, Search, Search engine
	Coding: Action, Algorithm, Bug, Character, Code block, Debug/Debugging, Input, Object
	Presenting Ideas: Concept map, Presentation, Audience
Year 3	Touch typing- Posture, Top/ Home/Bottom row keys, Space bar
	Coding- Action, Algorithm, Bug, Code Block, Code design, Command, Control, Debug/Debugging, Event, If, Input, Output, Object, Properties, Repeat, Selection, Timer, Variable
	Emails- Communication, Email, Send, Attachment, Address Book, Password
	Branching Databases- Branching Database, Data, Database
	Hardware detectives- Motherboard, CPU, RAM, Graphics card, Network Card, Monitor, Speakers, Keyboard, Mouse
Year 4	Coding- Action, Alert, Algorithm, Bug, Command, Control, Debug/Debugging, Event, Get input, If, If/Else, Input, Output, Object, Repeat, Selection, Timer, Variables Animation- Animation, Frame, Onion skinning, Background, Play, stop motion
	3D Modelling- CAD(Computer aided design, Modelling, 3D, Viewpoint, 2D, Net, Points, Template
	Effective Searching- Easter Egg, Internet, Internet Browser, Search, Search Engine, Spoof website
Year 5	Coding- Action, Alert, Algorithm, Bug, Code Design, Command, Control, Debug/ Debugging, Design Mode, Event, Get input, If, If/Else, Input, Object, Repeat, Sequence, Selection, Timer, Variable
	Databases- Avatar, Branching Database, Charts, Collaborative, Data, Database, Find, Record, Sort, Group, Arrange, Reports, Table
	Game Creator- Animation, Computer Game, Customise, Evaluation, Image, Instructions, Interactive, Screenshot, Texture, Perspective, Playability
Year 6	Coding- Action, Alert, Algorithm, Bug, Code Design, Command, Control, Debug/Debugging, Event, Function, Get Input, If, If/Else, Input, Output, Object, Repeat, Sequence, Selection, Timer, Variable
	Blogging- Audience, Blog, Blog Page, Blog Post, Collaborative, Icon
	Quizzing- Audience, Collaboration, Concept Map, Database, Quiz
	Networks- Internet, World Wide Web, Network, Local Area Network (LAN), Wide area Network (WAN), Router, Network Cable, Wireless