



COMPUTING

National Curriculum Expectations

Purpose of Study

A high-quality computing education equips pupils to use computational thinking and creativity to understand and change the world. Computing has deep links with mathematics, science, and design and technology, and provides insights into both natural and artificial systems. The core of computing is computer science, in which pupils are taught the principles of information and computation, how digital systems work, and how to put this knowledge to use through programming. Building on this knowledge and understanding, pupils are equipped to use information technology to create programs, systems and a range of content. Computing also ensures that pupils become digitally literate – able to use, and express themselves and develop their ideas through, information and communication technology – at a level suitable for the future workplace and as active participants in a digital world.

Aims

- The national curriculum for computing aims to ensure that all pupils:
 - can understand and apply the fundamental principles and concepts of computer science, including abstraction, logic, algorithms and data representation
 - can analyse problems in computational terms, and have repeated practical experience of writing computer programs in order to solve such problems
 - can evaluate and apply information technology, including new or unfamiliar technologies, analytically to solve problems
 - are responsible, competent, confident and creative users of information and communication technology.





Statutory and Non-Statutory Frameworks:

EY	′FS	K	S1	LK	S2	ι	JKS2
Nursery	Reception	Year 1 Year 2		Year 3	Year 4	Year 5	Year 6
 Development Matters: PSED Remember rules without needing an adult to remind them. PD Match their developing physical skills to tasks and activities in the setting. Explore how things work. 	 Development Matters: PSED 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'. PD Develop their small motor skills so that they can use a range of tools competently, safely and confidently. 	are imple programs devices; a execute b precise ar instructio create an programs use logica predict th simple pro use techn purposefu organise, and retrie recognise informatic beyond so use techn respectfu personal i private; ic go for hel when the	ught to: nd what is are; how they mented as on digital and that programs by following nd unambiguous ns d debug simple al reasoning to be behaviour of ograms lology ully to create, store, manipulate eve digital content to common uses of on technology	 including decompo- use seque variables use logica to detect understar provide m opportun use search selected a select, use services) oprograms collecting use techn acceptabl 	ught to: rite and debug pro- controlling or simu- sing them into sma- ence, selection, and and various forms al reasoning to expl and correct errors nd computer netwo nultiple services, su ities they offer for h technologies effe and ranked, and be e and combine a va on a range of digita , systems and cont , analysing, evaluat	Iller parts d repetition in progra of input and output ain how some simple in algorithms and pro orks including the inte- toch as the world wide communication and of ectively, appreciate he discerning in evaluat ariety of software (inc al devices to design an ent that accomplish g ting and presenting d ctfully and responsib haviour; identify a ra	ms; solve problems by ms; work with e algorithms work and ograms ernet; how they can e web; and the collaboration ow results are ting digital content cluding internet nd create a range of given goals, including lata and information

· · · · · · · · · · · · · · · · · · ·		-	in Computing CE Primary School	
	 Explore, use and refine a variety of artistic effects to express their ideas and feelings. 	on the internet or other online technologies.		
Statutory Framework for foundation stage ELG:	or the early years			
show independer perseverance in t	ry new activities and nce, resilience and he face of challenge. ns for rules, know right rry to behave			
 EAD Safely use and ex materials, tools a experimenting wi texture, form and 	nd techniques, ith colour, design,			





Computing at St Michael's CE Primary School Our computing curriculum recognises that pupils are living in a rapidly changing world in which computing is playing an ever-increasing role. We aim to equip children with the resilience and skills to adapt to new technology and give them confidence to use computing for a variety of purposes. Children understand they must behave responsibly online and respect e-safety rules.	Big Ideas Computer Science: We learn the principle of information and computation, how digital systems work and how to put this knowledge to use through programming. Information Technology: We learn to create programs, systems and a range of content safely. Digital Literacy: We learn how to use, express ourselves and develop ideas safely, through information and communication.	model of digital ດ completely with time. He gave ເ	e us a mathematical computing that has hstood the test of us very, very clear vas truly prophetic.' George Dyson (Scientific historian)
Links with other subjects	 Pedagogy Low stakes quizzing for long term memory Varied teaching and learning activities Thoughtful sequencing of content Specific teaching of vocabulary Higher order thinking tasks 	 Progress Units of work are carefully sequenced so prior	Links with other subjects
Maths		knowledge and concepts are built upon Regular formative assessment and assessment for	Maths
• handling data		learning (including low-stakes quizzing) ensures gaps	• handling data
Science		are filled Effective questioning and higher order thinking	Science
• Natural and artificial systems		features in every lesson Progress and attainment within units is recorded and	• Natural and artificial systems
DT		shared with all teaching staff Opportunities are provided for revisiting content or	DT
• Programming, computer aided design		applying learning at greater depth.	• Programming, computer aided design





Long term plan over a 2-year cycle:

September 2024 then 2026

	Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
EYFS	Algorithm	ic thinking	Being a	a robot	Intro to cod	ing Kodable
	Keyboard and	d mouse skills	Mouse skil	ls in games	Handlii	ng data
KS1	Computing	Creating media	Creating media	Data and	Programming	Programming
	systems and	<u>– Digital</u>	<u>– Digital</u>	information –	<u>A – Moving a</u>	<u>B – An</u>
	<u>networks –</u>	photography	writing	Pictograms	<u>robot</u>	introduction to
	Technology	(RE, Geog, Art)	Changing Text	(J2e – JiT -	(Beebot / Blue	<u>quizzes</u>
	around us		(J2e – JiT -	pictogram)	bot and APP)	(Scratch jr app)
	Keyboard and		write)(RE)	(Sci/DT)		
	mouse skills					
LKS2	Computing	Creating media	Creating media	Data and	Programming	Programming
	systems and	<u>– Audio editing</u>	<u>– Desktop</u>	<u>information –</u>	<u>A – Sequence</u>	<u>B – Repetition</u>
	<u>networks –</u>	<u>Audacity</u>	publishing	Data logging	<u>in music</u>	in games
	Connecting		Publisher or	Arduio Science	<u>Scratch</u> or	Scratch or
	<u>computers</u>		adobe spark or	Journal app	J2code	J2code
	Input and		Picollage (also	(Sci)		
	output -		APP) (Hist/Art)			
	connects,					
	networks and					
	Wi-Fi					
UKS2	Computing	Computing	Creating media	Data and	Programming	Programming
	systems and	systems and	<u>– Video editing</u>	<u>information –</u>	<u>A – Selection in</u>	<u>B – Sensing</u>
	<u>networks –</u>	<u>networks –</u>	Youtube and	Spreadsheets	<u>physical</u>	Scratch and
	<u>Sharing</u>	Communication	webcams	Excel and	<u>computing</u>	review of
	information	World Wide		Google Sheets	Lego wedo or	programming
	Systems and	Web Google,		Chocolate	ozobot	or J2code
	devices	Bing, Yahoo!,		(Hist/DT)		
		Swisscows,				
		DuckDuckGo,				
		refine (Geog)				

5





September 2023 then 2025

	Aut 1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
EYFS	Free play with	beebots and	Beebot co	ommands	Intro to codin	g Kodable
	programm	hable toys	Independent	use of digital	Creating an pict	ures using a
	Whole class use	of the Internet	cameras	/ devices	compu	ter
KS1	Computing	Creating media	Creating media	Data and	Programming A –	Programming
	systems and	<u>– Digital</u>	<u>– Making</u>	information –	Robot algorithms	<u>B –</u>
	<u>networks – IT</u>	painting	<u>music</u>	Grouping data	(Beebots / Blue	Introduction to
	around us	(J2e – JiT -	Song Maker		bots and J2e – JiT –	animation
	How IT	paint)			Turtle)	(J2e – JiT -
	improves our					animate)
	world					
LKS2	Computing	Creating media	Creating media	Data and	Programming A –	Programming
	systems and	– Animation	– Photo editing	information –	Repetition in	B – Events and
	<u>networks – The</u>	Stop-frame	getpaint.net/	Branching	<u>shapes</u>	actions
	<u>Internet</u>	animation	(Spanish/Art)	<u>databases</u>	turtleacademy.com	(Scratch jr app)
	Input and	(iMotion / Stop		(J2e – JiT -	or <u>Scratch</u> or	or J2code
	output -	Motion Studio)		branch)	J2code	
	connects,	(Art)		(Sci)		
	networks and					
	Wi-Fi					
UKS2	Computing	Creating media	Creating media	Data and	Programming A –	Programming
	systems and	<u>– Vector</u>	<u>– Web page</u>	information –	Variables in games	<u>B – Selection in</u>
	<u>networks –</u>	<u>drawing</u>	<u>creation</u>	Flat-file	Scratch or J2code	<u>quizzes</u>
	Communication	Google	<u>Wix</u>	<u>databases</u>		Scratch or
	Searching the	Drawings		(J2data)		J2code
	web (Geog)			(Science)		

https://teachcomputing.org/ EYFS – separate source





Skills Progression	EYFS	Key Stage 1		Lower	Key Stage 2	Upper Key Stage 2	
Information Technology: Word Processing/ Typing	 I can play on a touch screen game and use computers/keyboards/mouse in role play I can type letters with increasing confidence using a keyboard and tablet. I can dictate short, clear sentences into a digital device 	 I can confidently ty and correctly on a di I can use the space and delete to delete I can make a new li enter/return I can dictate into a accurately and with 	gital device. bar to make space letters/words ine using digital device more				
Information Technology: Photography and Digital Art		 I can edit a photo with simple tools I can use a paint/drawing app to create a digital image I can begin to cut out an image to layer on another image. 	I can edit a photo (crop, filters, mark up etc) • I can select and use tools to create digital imagery - controlling the pen and using the fill tool • I can cut images with accuarcy to layer on other images	 I can confidently take and manipulate photos I can create a digital image using a range of tools, pens, brushes and effects 	 I can enhance digital images and photographs using crop, brightness, contrast & resize I can manipulate shapes to create digital art 		
Information Technology: Data Handling	I can identify a chart. • I can sort physical objects, take a picture and discuss what I have done. • I can present simple data on a digital device	 I can sort images or text into two or more categories on a digital device. I can collect data on a topic. 	• I can sort digital objects into a range of charts such as Venn diagrams, Carroll diagrams and bar charts using different	• I can create my own sorting diagram and complete a data handling activity with it using images and text.	 I can create my own online multiple choice questionnaire. I can input data into a spreadsheet and export 	 I can create and publish my own online questionnaire and analyse the results. I can use simple formulae to solve 	





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Skills	Is EYFS Key Stage 1 Lower K		Key Stage 2	Upper Ke	Upper Key Stage 2		
Progression							
		 I can create a tally chart and pictogram. I can record myself explaining what I have done and what it shows me. 	apps and software. • I can orally record myself explaining what the data shows me. • I can create a branching database using questions	 I can start to input simple data into a spreadsheet. I can create a feelings chart exploring a story or character's feelings. 	the data in a variety of ways: charts, bar charts, pie charts. • I understand how data is collected	calculations including =sum and other statistical functions • I can edit and format difference cells in a spreadsheet	
Information Technology: Presentations, web design and eBook Creation				I can create an interactive comic with sounds, formatted text and video. • I can annotate an image with videos • I can create a simple web page.			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. • I can choose applications to communicate to a specific audience. • I can evaluate my own content and consider ways to improvements
Information Technology: Animation				I can create animations of faces to speak in role with more life-like realistic outcomes. • I can improve stop motion animation clips			





Skills Progression	EYFS	Key Stage 1	Lower Key Stage 2	Upper Ke	Upper Key Stage 2	
			with techniques like onion skinning. • I can use animation tools in presenting software to create simple animations.			
Information Technology: Video Creation				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 further improve green screen clips using crop and resize and explore more creative ways to use the tool - wearing green clothes and the masking tool	I can use the green screen masking tool with more than one character. • I can use picture in picture tools in iMovie. • I can add animated subtitles to my film to further enhance my creation. • I can create videos using a range of media - green screen, animations, film and image	
Information Technology: Sound		Create a musical composition using software I can record my own sound effects. I can record my voice over a	Edit sound effects for a purpose. • Create a simple four chord song following the correct rhythm. • I can record a radio broadcast or audiobook		-	

9





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Skills	EYFS	Key St	tage 1	Lower	Key Stage 2	Upper Ke	ey Stage 2
Progression							
			compositions to perform a song				
Computer Science: Computational Thinking	I can follow simple oral algorithms • I can spot simple patterns • I can sequence simple familiar tasks	 I understand what algorithms are I can write simple algorithms I understand the sequence of algorithms is important I can debug simple algorithms I understand that algorithms are implemented as programs on digital devices 	 I can write algorithms for everyday tasks I can use logical reasoning to predict the outcome of algorithms I understand decomposition is breaking objects/processes down I can implement simple algorithms on digital devices (Bee Bots, Apps: Daisy the Dino) I can debug algorithms 	I can create algorithms for use when programming • I can decompose tasks (such as animations) into separate steps to create an algorithm • I understand abstraction is focusing on important information • I can identify patterns in an algorithm I can use repetition in algorithms	I can use abstraction to focus on what's important in my design • I can write increasingly more precise algorithms for use when programming. • I can use simple selection in algorithms • I can use logical reasoning to detect and correct errors in programs	I can solve problems by decomposing them into smaller parts • I can use selection in algorithms • I can recognise the need for conditions in repetition within algorithms • I can use logical reasoning to explain how a variety of algorithms work • I can use logical reasoning to detect and correct errors in algorithms • I can evaluate my work and identify errors	I can recognise, and make use, of patterns across programming projects • I can write precise algorithms for use when programming • I can identify variables needed and their use in selection and repetition • I can decompose code into sections for effective debugging • I can critically evaluate my work and suggest improvements
Computer Science: Coding and Programing	I can use a mouse, touch screen or appropriate access device to target and select options on screen • I can input a simple sequence of commands to control a digital device with support (Bee Bot)	I can create a simple program e.g. sequence of instructions for a Bee Bot • I can use sequence in programs I can	I understand programs execute by following precise and unambiguous instructions • I can create programs on a variety of digital devices	I can design and create programs • I can write programs that accomplish specific goals • I can use repetition in programs I can	 I can use simple selection in programs I can work with various forms of output I can use logical reasoning to systematically detect and correct errors in programs 	I can create programs by decomposing them into smaller parts • I can use selection in programs • I can use conditions in repetition commands	I can use a range of sequence, selection and repletion commands combined with variables as required to implement my design

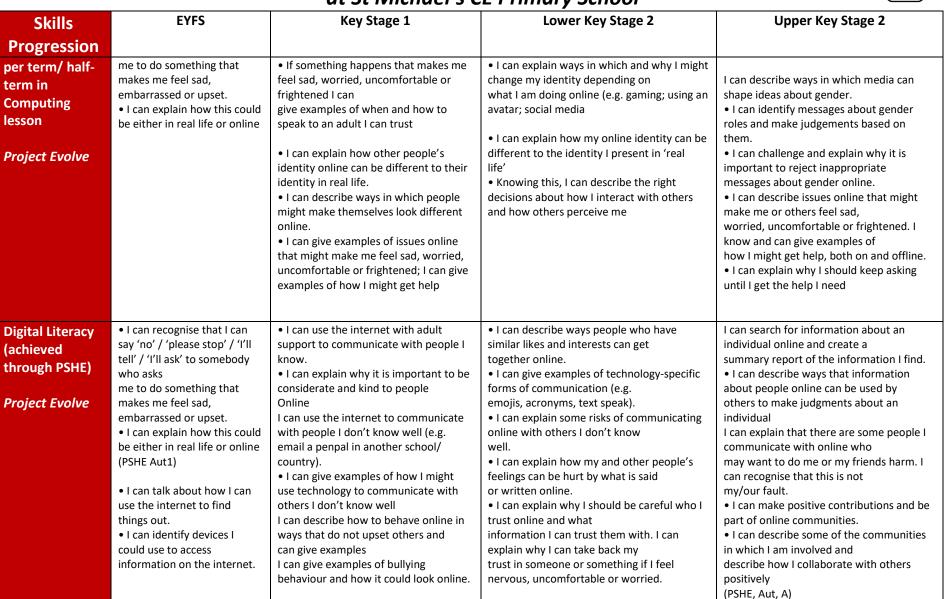




Skills	EYFS	Key St	age 1	Lower	Key Stage 2	Upper Ke	ey Stage 2
Progression							
		locate and fix bugs in my program	 I can debug programs of increasing complexity I can use logical reasoning to predict the outcome of simple programs 	work with various forms of input	• I can work with various forms of output	 I can work with variables I can create programs that control or simulate physical systems I can evaluate my work and identify errors 	 I can create procedures to hide complexity in programs I can identify and write generic code for use across multiple projects I can critically evaluate my work and suggest improvements I can identify and use basic HTML tags (See Computer Networks objectives)
Computer Science: Computer Networks (KS2 only)				 I understand that computers in a school are connected together in a network I understand why computers are networked I understand the difference between the Internet and the World Wide Web (WWW) 	 I understand that servers on the Internet are located across the planet I understand how email is sent across the Internet I understand how the Internet enables us to collaborate 	 I understand how we view web pages on the Internet I use search technologies effectively I understand that web spiders index the web for search engines I appreciate how pages are ranked in a search engine 	 I understand what HTML is and recognize HTML tags I know a range of HTML tags and can remix a web page I can create a webpage using HTML
Digital Literacy: Self-Image and Identity to be covered once	I can recognise that I can say 'no' / 'please stop' / 'I'll tell' / 'I'll ask' to somebody who asks	 I can recognise tha people online who c sad, embarrassed or upset. 	•	I can explain what is 'identity'.	s meant by the term I can represent myself in ne.	 I can explain how id copied, modified or a I can demonstrate r about my online ident Context 	ltered. esponsible choices



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Skills	EYFS	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2			
Progression							
	 I can give simple examples of how to find information (e.g. search engine, voice activated searching). (PSHE Spr) I can identify rules that help keep us safe and healthy in and beyond the home when using technology. I can give some simple examples I can recognise some ways in which the internet can be used to communicate. (PSHE Sum1) I can give examples of how I (might) use technology to communicate with people I know. (PSHE Sum2) 	 I understand how bullying can make someone feel. I can talk about how someone can/would get help about being bullied online or offline. I can recognise that information can stay online and could be copied. I can describe what information I should not put online without asking a trusted adult first I can explain how information put online about me can last for a long time. I know who to talk to if I think someone has made a mistake about putting something online. (PSHE, Aut2 A) I can use the internet to find things out. I can describe and demonstrate how to get help from a trusted adult or helpline if I find content that makes me feel sad, uncomfortable worried or frightened. I can use keywords in search engines. I can demonstrate how to navigate a simple webpage to get to information I need (e.g. home, forward, back buttons; links, tabs and sections). I can explain what voice activated searching is and how it might be used (e.g. Alexa, Google Now, Siri). I can explain the difference between things that are imaginary, 'made up' or 	 I can explain what it means to 'know someone' online and why this might be different from knowing someone in real life. I can explain what is meant by 'trusting someone online'. I can explain why this is different from 'liking someone online' I can search for information about myself online. I can recognise I need to be careful before I share anything about myself or others online. I know who I should ask if I am not sure if I should put something online. I can describe rules about how to behave online and how I follow them. I can identify some online technologies where bullying might take place. I can describe ways people can be bullied through a range of media (e.g. image, video, text, chat). I can use key phrases in search engines. I can use key phrases in search engines. I can explain what autocomplete is and how to choose the best suggestion. 	I can use different search technologies. • I can evaluate digital content and can explain how I make choices from search results. • I can explain key concepts including: data, information, fact, opinion belief, true, false, valid, reliable and evidence. • I understand the difference between online mis-information (inaccurate information distributed by accident) and dis-information (inaccurate information deliberately distributed and intended to mislead). I can explain what is meant by 'being sceptical'. • I can give examples of when and why it is important to be 'sceptical'. I can explain what is meant by a 'hoax'. • I can explain why I need to think carefully before I forward anything online. • I can explain why some information I find online may not be honest, accurate or legal. • I can explain why information that is on a large number of sites may still be inaccurate or untrue. I can assess how this might happen (e.g. the sharing of misinformation either by accident or on purpose). (PSHE, Spr, A) I can create and use strong and secure passwords. • I can explain how many free apps or services may read and share my private			





Skills	EYFS	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
Progression				
		 'make believe' and things that are 'true' or 'real'. I can explain why some information I find online may not be true. (PSHE, Spr2 A) I can recognise more detailed examples of information that is personal to 	 I can explain how the internet can be used to sell and buy things I can explain the difference between a 'belief', an 'opinion' and a 'fact' (PSHE, Spr, A) I can explain why spending too much time using technology can 	 information (e.g. friends, contacts, likes, images, videos, voice, messages, geolocation) with others. I can explain how and why some apps may request or take payment for additional content (e.g. in-app purchases) and explain why I should seek permission from a trusted adult before
		 me (e.g. where I live, my family's names, where I go to school). I can explain why I should always ask a trusted adult before I share any information about myself online. I can explain how passwords can be used to protect information and devices. (PSHE, Sum2 A) 	sometimes have a negative impact on me; I can give some examples of activities where it is easy to spend a lot of time engaged (e.g. games, films, videos) I can explain how using technology can distract me from other things I might do or should be doing. • I can identify times or situations when I	 purchasing I can describe ways technology can affect healthy sleep and can describe some of the issues. I can describe some strategies, tips or advice to promote healthy sleep with regards to technology (PSHE, Sum, A)
		 I can explain why work I create using technology belongs to me. I can say why it belongs to me (e.g. 'it is my idea' or 'I designed it'). I can save my work so that others know it belongs to me (e.g. filename, name on content) I can describe why other people's work belongs to them. I can recognise that content on the internet may belong to other people. (PSHE Aut1, B) I can explain how other people's identity online can be different to their 	 might need to limit the amount of time I use technology. I can suggest strategies to help me limit this time. (PSHE, Sum1,A) I can describe strategies for safe and fun experiences in a range of online social environments I can give examples of how to be respectful to others online I can describe how others can find out information about me by looking 	 I can show I understand my responsibilities for the well-being of others in my online social group. I can explain how impulsive and rash communications online may cause problems (e.g. flaming, content produced in live streaming). I can demonstrate how I would support others (including those who are having difficulties) online. I can demonstrate ways of reporting problems online for both myself and my friends
		 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, 	online. • I can explain ways that some of the information about me online could have been created, copied or shared by others	 I can use search technologies effectively. I can explain how search engines work and how results are selected and ranked.





Skills	EYFS	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2	
Skills Progression	EYFS		Lower Key Stage 2 I can give reasons why I should only share information with people I choose to and can trust. I can explain that if I am not sure or I feel pressured, I should ask a trusted adult. • I understand and can give reasons why passwords are important. • I can describe simple strategies for creating and keeping passwords private. • I can describe how connected devices can collect and share my information with others. (PSHE, Aut, B) I can analyse information and differentiate between 'opinions', 'beliefs' and 'facts'. I understand what criteria have to be met before something is a 'fact'. • I can describe how I can search for information within a wide group of technologies (e.g. social media, image sites, video sites). • I can describe some of the methods used to encourage people to buy	 I can demonstrate the strategies I would apply to be discerning in evaluating digital content. I can describe how some online information can be opinion and can offer examples. I can explain how and why some people may present 'opinions' as 'facts'. I can define the terms 'influence', 'manipulation' and 'persuasion' and explain how I might encounter these online (e.g. advertising and 'ad targeting'). I can demonstrate strategies to enable me to analyse and evaluate the validity of 'facts' and I can explain why using these strategies are important. I can identify, flag and report inappropriate content (PSHE, Aut, B) I can explain how I am developing an online reputation which will allow other people to form an opinion of me. I can describe some simple ways that 	
			to encourage people to buy things online (e.g. advertising offers; in-app purchases, pop-ups) and can	• I can describe some simple ways that help build a positive online reputation	
			 recognise some of these when they appear online. I can explain that some people I 'meet online' (e.g. through social media) 	 I can recognise when someone is upset, hurt or angry online. I can describe how to get help for someone that is being bullied online and 	
			 may be computer programmes pretending to be real people. can explain why lots of people sharing the same opinions or beliefs online does not make those opinions or beliefs true 	 assess when I need to do or say something or tell someone. I can explain how to block abusive users. I can explain how I would report online bullying on the apps and platforms 	



ICT

Skills	EYFS	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2				
Progression								
			(PSHE, Spr, B)	 that I use. I can describe the helpline services who can support me and what I would say and do if I needed their help (e.g. Childline) I can use search technologies effectively. I can explain how search engines work and how results are selected and ranked. I can demonstrate the strategies I would apply to be discerning in evaluating digital content. I can describe how some online information can be opinion and can offer examples. I can explain how and why some people may present 'opinions' as 'facts'. I can define the terms 'influence', 'manipulation' and 'persuasion' and explain how I might encounter these online (e.g. advertising and 'ad targeting'). I can demonstrate strategies to enable me to analyse and evaluate the validity of 'facts' and I can explain why using these strategies are important. I can describe common systems that regulate age-related content (e.g. PEGI, BBFC, parental warnings) and describe their purpose. I can assess and action different strategies to limit the impact of 				



ICT

			E T Thinking Selles	
Skills	EYFS	Key Stage 1	Lower Key Stage 2	Upper Key Stage 2
Progression				
Progression				 technology on my health (e.g. nightshift mode, regular breaks, correct posture, sleep, diet and exercise). I can explain the importance of selfregulating my use of technology; I can demonstrate the strategies I use to do this (e.g. monitoring my time online, avoiding accidents). I use different passwords for a range of online services. I can describe effective strategies for managing those passwords (e.g. password managers, acronyms, stories).
				 I know what to do if my password is lost or stolen. I can explain what app permissions are and can give some examples from the technology or services I use. I can describe simple ways to increase privacy on apps and services that
				 provide privacy settings. I can 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 (e.g. scams,



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PSHE Long Term Plans to support Digital Literacy – highlighted topics cover Computing curriculum. Use resources from Project Evolve https://projectevolve.co.uk/ to support teaching.

September 2020 and then September 2022

	Aut 1		Aut 2	Spr 1		Spr 2	Sum 1	9	Sum 2
		Relationships		L	iving in the wider worl	ld	Health and Wellbeing		
	Families and friendships	Safe relationships	Respecting ourselves and others	Belonging to a community	Media literacy and digital resilience	Money and work	Physical health and Mental wellbeing	Growing and changing	Keeping safe
EYFS	Seei	t and use activities and Play with others ng myself as a valuable ild constructive friends Express feelings	individual hips (Art)		nse of responsibility and a cabout perspectives of o			Show more confidence Follow rules Talk about feelings Show resilience y and moderate own feelings Manage own needs	
KS1	Roles of different people; families; feeling cared for	Managing secrets; resisting pressure and getting help; recognising hurtful behaviour	How behaviour affects others; being polite and respectful	What rules are; caring for others' needs; looking after the environment	The internet in everyday life; online content and information	Strengths and interests; jobs in the community	Keeping healthy; food and exercise, hygiene routines; sun safety	Growing older; naming body parts; moving class or year	How rules and age restrictions help us; keeping safe online
LKS2	What makes a family; features of family life	Responding to hurtful behaviour; managing confidentiality; recognising risks online	Recognising respectful behaviour; the importance of self- respect; courtesy and being polite	The value of rules and laws; rights, freedoms and responsibilities	How data is shared and used	Different jobs and skills; job stereotypes; setting personal goals	Health choices and habits; what affects feelings; expressing feelings	Physical and emotional changes in puberty; external genitalia; personal hygiene routines; support with puberty	Risks and hazards; safety in the local environment and unfamiliar places
UKS2	Managing friendships and peer influence	Recognising and managing pressure; consent in different situations	Responding respectfully to a wide range of people; recognising prejudice and discrimination	Protecting the environment; compassion towards others	Evaluating media sources; sharing things online	Identifying job interests and aspirations; what influences career choices; workplace stereotypes	Healthy sleep habits; sun safety; medicines, vaccinations, immunisations and allergies	Human reproduction and birth; increasing independence; managing transition	Keeping safe in different situations, including responding in emergencies, first aid and FGM





September 2021 and then 2023

	Aut 1		Aut 2	Spr 1		Spr 2	Sum 1		Sum 2
		Relationships		Living in	n the wider world		Health a		peing
	Families and friendships	Safe relationships	Respecting ourselves and others	Belonging to a community	Media literacy and digital resilience	Money and work	Physical health and Mental wellbeing	Growing and changing	Keeping safe
EYFS	Seeing r	t and use activities and Play with others nyself as a valuable in uild constructive frien Express feelings	dividual (Art)	Develop sense of responsibility and community Think about perspectives of others		Show more confidence Follow rules Talk about feelings Show resilience Identify and moderate own feelings Manage own needs		gs e wn feelings	
KS1	Making friends; feeling lonely and getting help	Recognising privacy; staying safe; seeking permission	Recognising things in common and differences; playing and working cooperatively; sharing opinions	Belonging to a group; roles and responsibilities; being the same and different in the community	The internet in everyday life; online content and information	Different jobs and skills; job stereotypes; setting personal goals	Why sleep is important; medicines and keeping healthy; keeping teeth healthy; managing feelings and asking for help	Growing older; naming body parts; moving class or year	Safety in different environments; risk and safety at home; emergencies
LKS2	Positive friendships, including online	Personal boundaries; safely responding to others; the impact of hurtful behaviour	Respecting differences and similarities; discussing difference sensitively	What makes a community; shared responsibilities	How the internet is used; assessing information online	Making decisions about money; using and keeping money safe	Maintaining a balanced lifestyle; oral hygiene and dental care	Personal strengths and achievements; managing and reframing setbacks	Medicines and household products; drugs common to everyday life
UKS2	Attraction to others; romantic relationships; civil partnership and marriage	Physical contact and feeling safe	Expressing opinions and respecting other points of view, including discussing topical issues	Valuing diversity; challenging discrimination and stereotypes	How information online is targeted; different media types, their role and impact	Influences and attitudes to money; money and financial risks	What affects mental health and ways to take care of it; managing change, loss and bereavement; managing time online	Personal identity; recognising individuality and different qualities; mental wellbeing	Keeping personal information safe; regulations and choices; drug use and the law; drug use and the media





Promoting SMSC and British Values in Computing

Spiritual	Moral	Social	Cultural
 Online Interactions—E-Safety Respect others and themselves. Values, principles and beliefs. Understanding feelings, emotions and impact. An appreciation of the intangible 	 E-Safety / Online. Collaborative working—respect (coding, making films). Respect for others' feelings. 	 E-Safety / Online. Working collaboratively on projects. Appreciate rights and responsibilities. 	 Online interactions—E-Safety. Using range of cultural pics/names etc for creating publishing. Use language & understand images / icons.

Democracy	The Rule of Law	Individual Liberty	Respect 💶	Tolerance of those with different faiths
 In computing we are learning to understand and be considerate to the views of other internet users. We understand that we are each part of the democracy of the internet and that we can each, in our own small way, affect the way the internet exists. 	 In computing we understand the use of rules on computers and the internet, such as when we are allowed to use social media and what we are allowed to post and share. We understand that rules are to keep others and ourselves safe and to help the internet to be an enjoyable and engaging place. 	 In computing we understand how to use our right to freedom of speech in a respectable and thoughtful way, being considerate of how this speech will affect others. We understand the freedom the internet and computers offer us in discovering information and connecting us with the world. 	 In computing we appreciate and understand the views of others, our right to challenge, question and discuss opinions and views, and to do this in a respectable and thoughtful way. We understand that as we are connected with the world while accessing the internet, we are exposed to the widest range of views, 	 In computing we understand that we are connected to people across the whole world. We understand that these are people from different communities, cultures, faiths and beliefs. We use the opportunities offered in computing to question, challenge and understand people with these different characteristics to

	Progression in Computing at St Michael's CE Primary School					
		and we are learning to respect them.	support and develop our tolerance of them.			
21						