





































Long Term Plan – (Computing Overview KS1)

Computing National Curriculum Statements and Strands	
Reception	FROM REVISED FRAMEWORK – STARTS SEPT 2021
Key Stage 1	1.1 Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions
	1.2 Create and debug simple programs
	1.3 Use logical reasoning to predict the behaviour of simple programs
	1.4 Use technology purposefully to create, organise, store, manipulate and retrieve digital content
	1.5 Recognise common uses of information technology beyond school
	1.6 Use technology safely and respectfully, keeping personal information private; identify where to go for help and support when they have concerns about content or contact on the internet or other online technologies.
Computing Strands	(NW) Networks, (CM) Creating Media, (DI) Data & Information, (DD) Design & Development, (CS) Computing Systems, (IT) Impact of Technology, (AL) Algorithms, (PG) Programming, (ET) Effective Use of tools, (SS) Safety & Security
Education for a connected world	Health, well-being and lifestyle, Copyright and ownership, Online relationships, Online reputation, Online bullying, Managing online information, Health, well-being and lifestyle, Privacy and security, Copyright and ownership,

Year group	Details	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	SOL unit title	Technology around us 	Digital Painting 	Moving a robot 	Grouping Data 	Digital Writing 	Programming Animations 
	NC links	1.4, 1.5, 1.6	1.4	1.1, 1.2, 1.3, 1.5	1.4, 1.6	1.4, 1.6	1.1, 1.2, 1.3, 1.4
	Computing strand	CS, ET, IT	CM, DD, ET	AL, DD, IT, PG	DI	CM, DD, ET	AL, DD, PG
	Education for a connected world RSHE links	- Copyright and ownership - Health, well-being and lifestyle			Copyright and ownership	Privacy and security	
Year 2	SOL unit title	Information Technology around us 	Digital Photography 	Robot Algorithms 	Pictograms 	Making Music 	An Introduction to Quizzes 
	NC links	1.4, 1.5, 1.6	1.4, 1.5	1.1, 1.2, 1.3, 1.14	1.4, 1.6	1.4	1.1, 1.2, 1.3
	Computing strand	CS, NW, SS	CM, CS, DD, ET	AL, DD, PG	DI, ET, SS	CM, DD, DI, ET	PG, DD
	Education for a connected world	Health, well-being and lifestyle	Self-image and identity		Privacy and security	Copyright and ownership	

Long Term Plan – (Computing Overview KS2)

Computing National Curriculum Statements and Strands	
Key Stage 2	2.1 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts
	2.2 Use sequence, selection, and repetition in programs; work with variables and various forms of input and output
	2.3 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs
	2.4 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
	2.5 Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
	2.6 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
	2.7 Use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.
Computing Strands	(NW) Networks, (CM) Creating Media, (DI) Data & Information, (DD) Design & Development, (CS) Computing Systems, (IT) Impact of Technology, (AL) Algorithms, (PG) Programming, (ET) Effective Use of tools, (SS) Safety & Security
Education for a connected world	Health, well-being and lifestyle, Copyright and ownership, Online relationships, Online reputation, Online bullying, Managing online information, Health, well-being and lifestyle, Privacy and security, Copyright and ownership,

Year group	Details	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	SOL unit title	Connecting Computers 	Stop-frame Animation 	Sequence in music 	Branching databases 	Desktop publishing 	Events and actions 
	NC links	2.2, 2.4, 2.6, 2.7	2.6	2.1, 2.2, 2.3, 2.6	2.6	2.5, 2.6	2.1, 2.2, 2.3, 2.6
	Computing strand	CS, IT, NW	CM, DD, ET,	AL, CM, DD, ET, PG	DD, DI, ET	CM, DD, ET, IT	DD, ET, PG
	Education for a connected world		Copyright and ownership, Managing online information			Copyright and ownership, Managing online information	
Year 4	SOL unit title	The Internet 	Audio editing 	Repetition in shapes 	Data logging 	Photo editing 	Repetition in games 
	NC links	2.4, 2.5, 2.6, 2.7	2.5, 2.6, 2.7	2.1, 2.2, 2.3, 2.6	2.2, 2.6	2.5, 2.6, 2.7	2.1, 2.2, 2.3, 2.6
	Computing strand	CM, IT, NW, SS	CM, CS, DD, DI, ET	AL, ET, PG	CS, DI, ET	CM, DD, ET, IT	AL, DD, PG
	Education for a connected world		Copyright and ownership			Copyright and ownership, Self-image and identity	
Year 5	SOL unit title	Sharing information 	Vector drawing 	Selection in physical computing 	Flat-file databases 	Video editing 	Selection in quizzes 
	NC links	2.1, 2.2, 2.4, 2.6, 2.7	2.6	2.1, 2.2, 2.3, 2.6	2.5, 2.6	2.5, 2.6, 2.7	2.1, 2.2, 2.3, 2.6
	Computing strand	CS, DD, ET, IT, NW	CM, DI, ET	CS, DD, PG	DD, DI, ET	CM, CS, DD, ET, SS	AL, DD, PG
	Education for a connected world	Copyright and ownership	Copyright and ownership			- Managing online information - Online relationships - Online reputation - Self-image and identity	
Year 6	SOL unit title	3D Modelling 	Web page creation 	Communication 	Variables in games 	Introduction to spreadsheets 	Sensing 
	NC links	2.6, 2.7	2.5, 2.6, 2.7	2.1, 2.4, 2.5, 2.6, 2.7	2.1, 2.2, 2.3, 2.6	2.6	2.1, 2.2, 2.3, 2.6
	Computing strand	CM, DD, ET	CM, DD, ET, NW, IT SS	ET, IT, NW, DD	DD, PG	DI, CM, ET, PG	CS, DD, PG
	Education for a connected world	Privacy and security	- Copyright and ownership - Online relationships	Managing online information - Online reputation			