

How *Switched on ICT* matches the new Programme of Study for Computing for Key Stage 1 and 2

Year	New programme of study for computing	Unit	Unit title	Target skills	Suggested software / hardware
Year 1 Ages 5-6	<ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school 	1.1	We are celebrating - Creating a card electronically	Research, word processing, graphics	Microsoft PowerPoint / Microsoft Word, /Clicker 5
	<ul style="list-style-type: none"> understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions create and debug simple programs use logical reasoning to predict the behaviour of simple programs 	1.2	We are treasure hunters - Moving around maps	Control, following instructions	Programmable toys
	<ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content 	1.3	We are storytellers - Producing a talking book	Sound recording	Microsoft PowerPoint / Microsoft Photo Story
	<ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school 	1.4	We are personal trainers - Get-up-and-go graphs	Data handling, charts and graphs	Simple graphing tool
	<ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school 	1.5	We are TV chefs - Filming a recipe	Research, video recording	Web browser, Movie maker
	<ul style="list-style-type: none"> use logical reasoning to predict the behaviour of simple programs 	1.6	We are gardeners - Simulating growth	Simulations	Internet browser
Year 2 Ages 6-7	<ul style="list-style-type: none"> use technology safely and respectfully, keeping personal information private 	2.1	We are detectives - Communicating clues	Email	Email system
	<ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school 	2.2	We are painters - Illustrating eBooks	Research, graphics	Tux Paint, Microsoft Paint, 2Simple 2Paint
	<ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school use technology safely and respectfully 	2.3	We are journalists - Publishing a newsletter	Word processing, photography	Word, Publisher, Learning Platform
	<ul style="list-style-type: none"> understand what algorithms are use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school 	2.4	We are time travellers - Animating history	Research, story boarding, animation	Monkeyjam / 2Animate / Movie Maker
	<ul style="list-style-type: none"> understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions create and debug simple programs use logical reasoning to predict the behaviour of simple programs 	2.5	We are astronauts - Programming on screen	Control, programming	Scratch
	<ul style="list-style-type: none"> use technology purposefully to create, organise, store, manipulate and retrieve digital content recognise common uses of information technology beyond school 	2.6	We are zoologists - Bug hunt data	Data collection, data handling, charts and graphs	Excel / 2Simple 2Count / RM Starting Graph

How *Switched on ICT* matches the new draft Programme of Study for Computing for Key Stage 1 and 2

Year	New programme of study for computing	Unit	Unit title	Target skills	Suggested software / hardware
Year 3 Ages 7-8	<ul style="list-style-type: none"> use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	3.1	We are researchers - Researching a topic	Research, presentation	FreeMind, Linkbunch, PowerPoint
	<ul style="list-style-type: none"> be discerning in evaluating digital content use technology safely, respectfully and responsibly select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals 	3.2	We are comic writers - Creating a comic strip	Digital photography, image editing, text	Comic Life / Publisher
	<ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	3.3	We are animators - Creating a cartoon	Programming, graphics	Scratch / PowerPoint
	<ul style="list-style-type: none"> communication and collaboration select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	3.4	We are opinion pollsters - Opinion polling	Research, survey creation, data analysis, charts	Survey Monkey / Excel/ InspireData / Google Docs
	<ul style="list-style-type: none"> 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 use technology safely, respectfully and responsibly 	3.5	We are communicators - Here and there: communicating	Text, email, forums, chat, video conference	Email, Videoconferencing software
	<ul style="list-style-type: none"> be discerning in evaluating digital content use technology safely, respectfully and responsibly select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	3.6	We are presenters - Videoing performance	Video recording and editing	Movie Maker / iMovie / Adobe Premiere Elements
	<ul style="list-style-type: none"> communication and collaboration use technology responsibly, securely and safely 	4.1	We are co-authors - Producing a wiki	Text creation, collaborative editing, research	MediaWiki / PBworks / Googlesites
Year 4 Ages 8-9	<ul style="list-style-type: none"> select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	4.2	We are meteorologists - Presenting the weather	Data logging, data analysis, presentation, video recording	Excel / Google Docs, PowerPoint / IWB software
	<ul style="list-style-type: none"> be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals 	4.3	We are musicians - Producing digital music	Audio recording, music composition, sequencing	JamStudio / Garage Band, Audacity
	<ul style="list-style-type: none"> use search technologies effectively collecting, analysing, evaluating and presenting data and information 	4.4	We are historians - Then and now: databases	Survey creation, databases, presentation	Excel / Google Docs, SurveyMonkey
	<ul style="list-style-type: none"> be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals 	4.5	We are artists - Fusing geometry and art	Vector graphics, programming	Scratch, InkScape / Illustrator
	<ul style="list-style-type: none"> use search technologies effectively be discerning in evaluating digital content use technology responsibly, securely and safely select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals 	4.6	We are travel presenters - Trip slideshow	Research, digital photography, video recording and editing	Movie Maker / PhotoStory

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Year 5 Ages 9-10	<ul style="list-style-type: none"> use technology responsibly, securely and safely select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals 	5.1	We are photographers - Themed photography	Digital photography, image library management, photo editing	Picasa / hardware, GIMP / Photoshop
	<ul style="list-style-type: none"> select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals 	5.2	We are architects - image management	Research, 3-D modelling,	SketchUp / Picasa
	<ul style="list-style-type: none"> 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 use technology responsibly, securely and safely 	5.3	We are bloggers - Media reviews	Text and other media, writing for an audience	WordPress / Blogger
	<ul style="list-style-type: none"> be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals 	5.4	We are advertisers - Creating an advert	Research, video recording, video editing	MovieMaker, PowerPoint / Word
	<ul style="list-style-type: none"> the world-wide web; and the opportunities it offers for communication and collaboration collecting, analysing, evaluating and presenting data and information. 	5.5	We are statisticians - Analysing data	Data analysis and presentation, data logging	Excel, Word
	<ul style="list-style-type: none"> design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems use sequence, selection, and repetition in programs; work with variables and various forms of input and output detect and correct errors in algorithms and programs 	5.6	We are traders - Summer fete games	Programming, spreadsheet modelling and analysis, graphics	Scratch / Gemaker, Excel / Google Docs
Year 6 Ages 10-11	<ul style="list-style-type: none"> use search technologies effectively, and be discerning in evaluating digital content select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals 	6.1	We are explorers - Creating geotrails	Photography, geolocation / research	GoogleEarth, Picasa
	<ul style="list-style-type: none"> use search technologies effectively, and be discerning in evaluating digital content use technology responsibly, securely and safely select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	6.2	We are fundraisers - Charity fundraiser	Research, DTP, graphics, data handling	Excel / GoogleSheet, Publisher
	<ul style="list-style-type: none"> solve problems by decomposing them into smaller parts use sequence, selection, and repetition in programs; work with variables and various forms of input and output design, write and debug programs that accomplish specific goals use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	6.3	We are game developers - Programming an adventure game	Programming, graphics	PowerPoint / Scratch / Flash
	<ul style="list-style-type: none"> use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs 	6.4	We are environmentalists - Modelling climate change	Research, spreadsheets, modelling, charts	Fate of the World, FreeMind, Camtasia Studio, Movie Maker
	<ul style="list-style-type: none"> 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 be discerning in evaluating digital content use technology responsibly, securely and safely 	6.5	We are web developers - Cyber safety research / media	Research, collaboration, web design	GoogleSites / PBworks / MediaWiki
	<ul style="list-style-type: none"> be discerning in evaluating digital content use technology responsibly, securely and safely select, use and combine a variety of software (including internet services) on a range of digital devices to accomplish given goals, including collecting, analysing, evaluating and presenting data and information 	6.6	We are publishers - Creating a yearbook	Photography, image editing, graphics, text, DTP	Publisher, Google Docs / Word

