SWITCHED ON Computing KS1 and KS2 units

Unit	Title	Unit summary	Computing Programme of Study focus	Suggested software/hardware
1.1	We are treasure hunters	Using programmable toys	Programming	Programmable toys/Bee-Bot and Blue-Bot apps
1.2	We are TV chefs	Filming the steps of a recipe	Computational thinking	Paint/Fresh Paint/Movie Maker/iMovie
1.3	We are painters	Illustrating an eBook	Creativity	Tux Paint/Paint/2Paint A Picture/Fresh Paint/IWB software/Word
1.4	We are collectors	Finding images using the web	Computer networks	Web browser/PowerPoint/IWB software/Explain Everything
1.5	We are storytellers	Producing a talking book	Communication/Collaboration	PowerPoint/2Create A Story/IWB software/Explain Everything
1.6	We are celebrating	Creating a card electronically	Productivity	PowerPoint/Word/Clicker 7/Fresh Paint/2Paint A Picture
2.1	We are astronauts	Programming on screen	Programming	Scratch/Kodu/Scratch Jnr/Pyonkee
2.2	We are games testers	Exploring how computer games work	Computational thinking	Scratch/Screencast-O-Matic/Pyonkee
2.3	We are photographers	Taking, selecting and editing digital images	Creativity	Picasa/Pixlr.com/Snapseed
2.4	We are researchers	Researching a topic	Computer networks	FreeMind/web browser/PowerPoint
2.5	We are detectives	Communicating clues	Communication/Collaboration	Email system/Excel/Google Sheets
2.6	We are zoologists	Recording bug hunt data	Productivity	Excel/Google Sheets/Picasa/Photo Gallery/Snapseed/Google Maps/Google Earth
3.1	We are programmers	Programming an animation	Programming	Scratch/Scratch Jr/Pyonkee
3.2	We are bug fixers	Finding and correcting bugs in programs	Computational thinking	Scratch/Snap!/Pyonkee
3.3	We are presenters	Videoing performance	Creativity	Movie Maker/iMovie
3.4	We are vloggers	Making and sharing a short screencast presentation	Computer networks	Google/PowerPoint/QuickTime Player/screencast-o-matic/Explain Everything/Adobe Voice
3.5	We are communicators	Communicating safely on the internet	Communication/Collaboration	Email system/Skype/Google Hangouts/PowerPoint/Google Slides
3.6	We are opinion pollsters	Collecting and analysing data	Productivity	Google Forms/j2Data/Google Sheets and Google Slides/InspireData/Excel/Word
4.1	We are software developers	Developing a simple educational game	Programming	Scratch/Snap!/Pyonkee
4.2	We are toy designers	Prototyping an interactive toy	Computational thinking	Scratch/Snap!/Pyonkee
4.3	We are musicians	Producing digital music	Creativity	Isle of Tune/Audacity/LMMS/GarageBand/MuseScore
4.4	We are HTML editors	Editing and writing HTML	Computer networks	Firefox/Chrome/Brackets
4.5	We are co-authors	Producing a wiki	Communication/Collaboration	Learning platform/MediaWiki/Google Sites
4.6	We are meteorologists	Presenting the weather	Productivity	Excel/Google Sheets/PowerPoint/IWB software
5.1	We are game developers	Developing an interactive game	Programming	Scratch/Snap!/Pyonkee/Kodu
5.2	We are cryptographers	Cracking codes	Computational thinking	Scratch/Snap!/Pyonkee/The Black Chamber
5.3	We are artists	Fusing geometry and art	Creativity	Inkscape/Adobe Illustrator/CorelDRAW/Scratch/Scribble/TurtleArt/Terragen
5.4	We are web developers	Creating a web page about cyber safety	Computer networks	Google/Google Sites/learning platform/WordPress/Adobe Slate
5.5	We are bloggers	Sharing experiences and opinions	Communication/Collaboration	WordPress/learning platform/GIMP/Audacity/Movie Maker
5.6	We are architects	Creating a virtual space	Productivity	Trimble SketchUp/Screencast-O-Matic
6.1	We are adventure gamers	Making a text-based adventure game	Programming	Python (using the IDLE editor)/Trinket.io/Pythonista
6.2	We are computational thinkers	Mastering algorithms for searching,sorting and mathematics	Computational thinking	'Unplugged' resources/Scratch/Snap!/Pyonkee
6.3	We are advertisers	Creating a short television advert	Creativity	MovieMaker/iMovie
6.4	We are network engineer	Exploring computer networks including the internet	Computer networks	command prompt/Scratch/open visual traceroute
6.5	We are travel writers	Using media and mapping to document a trip	Productivity	Google Maps/Google Earth/Pixlr/Snapseed/MovieMaker/iMovie/Audacity/Garage Band/TrackRec
6.6	We are publishers	Creating a year book	Communication/collaboration	Publisher/Scribus/iBook Author/Pages/Book Creator/Google Drive