



SWITCHED ON Computing

Using iOS and Android apps with *Switched on Computing* – Key Stage 1 units

Unit	Title	Unit summary	Computing Programme of Study focus	Suggested software/hardware	Suggested apps
1.1	We are treasure hunters	Using programmable toys	Programming	Programmable toys	Bee-Bot/Daisy the Dinosaur
1.2	We are TV chefs	Filming the steps of a recipe	Computational thinking	Paint, Movie Maker/iMovie	Brushes, iMovie
1.3	We are painters	Illustrating an eBook	Creativity	Tux Paint/Paint/2Paint A Picture, IWB software, Word	Brushes, SketchBook Express
1.4	We are collectors	Finding images using the web	Computer networks	Web browser, PowerPoint/IWB software	Web browser, Keynote or Explain Everything
1.5	We are storytellers	Producing a talking book	Communication/Collaboration	PowerPoint/2Create A Story/IWB software	Keynote/Explain Everything/Voice Memo
1.6	We are celebrating	Creating a card electronically	Productivity	PowerPoint/Word/Clicker 6, Paint/2Paint A Picture	Pages/Keynote
2.1	We are astronauts	Programming on screen	Programming	Scratch/Kodu/Scratch Jnr	Hopscotch, Daisy the Dinosaur
2.2	We are games testers	Exploring how computer games work	Computational thinking	Scratch, Screencast-O-Matic	Snap!
2.3	We are photographers	Taking, selecting and editing digital images	Creativity	Picasa Web/Pixlr.com	iPhoto, Snapseed
2.4	We are researchers	Researching a topic	Computer networks	FreeMind, bit.ly, web browser, PowerPoint	iThoughtsHD, Safari, Keynote
2.5	We are detectives	Communicating clues	Communication/Collaboration	Email system, Excel	Mail, Numbers
2.6	We are zoologists	Recording bug hunt data	Productivity	Excel/IWB software, Picasa Web/Photo Gallery, Google Maps/Google Earth	Numbers, Snapseed, RunKeeper

Please note: In many units we offer a number of software/applications for you to choose from, depending on your preference or school systems available (you do not have to use all of them). Forward slashes / represent where you can choose from one or more applications or pieces of software; commas , represent where you do need more than one application or piece of software.

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Using iOS and Android apps with *Switched on Computing* – Key Stage 2 units

Unit	Title	Unit summary	Computing Programme of Study focus	Suggested software/hardware	Suggested apps
3.1	We are programmers	Programming an animation	Programming	Scratch/PowerPoint	Snap!
3.2	We are bug fixers	Finding and correcting bugs in programs	Computational thinking	Scratch/PowerPoint	Snap! in a web browser
3.3	We are presenters	Videeing performance	Creativity	Movie Maker/iMovie	iMovie
3.4	We are network engineers	Exploring computer networks, including the internet	Computer networks	Access to school network and command prompt	Web-based equivalent tools via a web browser
3.5	We are communicators	Communicating safely on the internet	Communication/Collaboration	Email system, video conferencing software, presentation software	Skype, FaceTime
3.6	We are opinion pollsters	Collecting and analysing data	Productivity	Google Forms, Google Sheets and Google Slides/InspireData/Excel, Word	Google Drive/web browser
4.1	We are software developers	Developing a simple educational game	Programming	Scratch/Snap!	Snap! in a web browser (Scratch requires Flash, which is not available on iPad)
4.2	We are toy designers	Prototyping an interactive toy	Computational thinking	Scratch	Web browser and Snap!
4.3	We are musicians	Producing digital music	Creativity	Isle of Tune, Audacity, LMMS/GarageBand, MuseScore	Isle of Tune, GarageBand
4.4	We are HTML editors	Editing and writing HTML	Computer networks	Firefox, Brackets	Safari, Koder
4.5	We are co-authors	Producing a wiki	Communication/Collaboration	Learning platform/MediaWiki/Google Sites	Web browser (e.g. Safari), Wikipedia app
4.6	We are meteorologists	Presenting the weather	Productivity	Excel/Google Sheets, PowerPoint/IWB software	Weather Station by Netatmo, Weather Station.UK, Numbers
5.1	We are game developers	Developing an interactive game	Programming	Scratch/Kodu	Snap! in a web browser (Scratch requires Flash, which is not available on iPad)
5.2	We are cryptographers	Cracking codes	Computational thinking	Scratch, The Black Chamber	Snap!, The Black Chamber in a web browser (Safari)
5.3	We are artists	Fusing geometry and art	Creativity	Inkscape/Adobe Illustrator/CorelDRAW, Scratch, Terragen Classic	Adobe Ideas/neu.draw, Snap!
5.4	We are web developers	Creating a web page about cyber safety	Computer networks	Google, Bing, Google Sites/learning platform/WordPress	Google Search app, Google Sites via a web browser
5.5	We are bloggers	Sharing experiences and opinions	Communication/Collaboration	WordPress/Blogger/learning platform, GIMP, Audacity, Movie Maker	WordPress, Camera, Snapseed
5.6	We are architects	Creating a virtual space	Productivity	Trimble SketchUp, Screencast-O-Matic	Home Design 3D/3dVAS
6.1	We are app planners	Planning the creation of a mobile app	Computer networks	App Inventor/AppShed/PhoneGap, Picasa Web, Google Drive Presentation/Prezi	Codea, TouchDevelop
6.2	We are project managers	Developing project management skills	Computational thinking	Google Apps for Education/VLE/GitHub	Web browser (Safari)
6.3	We are market researchers	Researching the app market	Productivity	Google Drive applications/Office, Movie Maker	Web browser, Keynote, iMovie
6.4	We are interface designers	Designing an interface for an app	Communication/Collaboration	Justinmind Prototyper/Pencil Project/PowerPoint	SketchyPad (free) or iMockups (pay-for app)
6.5	We are app developers	Developing a simple mobile phone app	Programming	App Inventor	TouchDevelop/Codea
6.6	We are marketers	Creating video and web copy for a mobile phone app	Creativity	Publisher, WordPress/Google Sites, Movie Maker	Pages, WordPress, iMovie and other apps chosen by the pupils

