

Creative projects providing complete coverage of the new computing curriculum

Unit	Title	Unit summary	Computing Programme of Study focus	Suggested software/hardware
1.1	We are treasure hunters	Using programmable toys	Programming	Programmable toys
1.2	We are TV chefs	Filming the steps of a recipe	Computational thinking	Paint, Movie Maker/iMovie/j2launchAPP/j2e5
1.3	We are painters	Illustrating an eBook	Creativity	Tux Paint/Paint/2Paint A Picture, IWB software, Word/j2launchAPP/j2e5
1.4	We are collectors	Finding images using the web	Computer networks	Web browser, PowerPoint/IWB software/j2e5
1.5	We are storytellers	Producing a talking book	Communication/Collaboration	PowerPoint/2Create A Story/IWB software/JiTMix/j2e5
1.6	We are celebrating	Creating a card electronically	Productivity	PowerPoint/Word/Clicker 6, Paint/2Paint A Picture/j2e5
2.1	We are astronauts	Programming on screen	Programming	Scratch/Kodu/Scratch Jnr
2.2	We are games testers	Exploring how computer games work	Computational thinking	Scratch, Screencast-o-matic
2.3	We are photographers	Taking, selecting and editing digital images	Creativity	Picasa Web/Pixlr.com/j2eCamera
2.4	We are researchers	Researching a topic	Computer networks	FreeMind, bit.ly, web browser, PowerPoint
2.5	We are detectives	Communicating clues	Communication/Collaboration	Email system, Excel
2.6	We are zoologists	Recording bug hunt data	Productivity	Excel/IWB software, Picasa Web/Photo Gallery, Google Maps/Google Earth
3.1	We are programmers	Programming an animation	Programming	Scratch/PowerPoint
3.2	We are bug fixers	Finding and correcting bugs in programs	Computational thinking	Scratch/PowerPoint
3.3	We are presenters	Videoing performance	Creativity	Movie Maker/iMovie
3.4	We are network engineers	Exploring computer networks, including the internet	Computer networks	Access to school network and command prompt
3.5	We are communicators	Communicating safely on the internet	Communication/Collaboration	Email system, video conferencing software, presentation software
3.6	We are opinion pollsters	Collecting and analysing data	Productivity	Google Forms/j2Vote, Google Sheets and Google Slides/InspireData/Excel, Word
4.1	We are software developers	Developing a simple educational game	Programming	Scratch/Snap!
4.2	We are toy designers	Prototyping an interactive toy	Computational thinking	Scratch
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, Brackets
4.5	We are co-authors	Producing a wiki	Communication/Collaboration	Learning platform/MediaWiki/Google Sites/j2e5
4.6	We are meteorologists	Presenting the weather	Productivity	Excel/Google Sheets, PowerPoint/IWB software/j2e5
5.1	We are game developers	Developing an interactive game	Programming	Scratch/Kodu
5.2	We are cryptographers	Cracking codes	Computational thinking	Scratch, The Black Chamber
5.3	We are artists	Fusing geometry and art	Creativity	Inkscape/Adobe Illustrator/CorelDRAW, Scratch, Terragen Classic
5.4	We are web developers	Creating a web page about cyber safety	Computer networks	Google, Bing, Google Sites/learning platform/WordPress/j2bloggy/j2webby
5.5	We are bloggers	Sharing experiences and opinions	Communication/Collaboration	WordPress/Blogger/learning platform/j2bloggy/j2webby, GIMP, Audacity, Movie Maker
5.6	We are architects	Creating a virtual space	Productivity	Trimble SketchUp, Screencast-o-matic
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
6.2	We are project managers	Developing project management skills	Computational thinking	Google Apps for Education/VLE/GitHub
6.3	We are market researchers	Researching the app market	Productivity	Google Drive applications/Office/j2Vote, Movie Maker
6.4	We are interface designers	Designing an interface for an app	Communication/Collaboration	Justinmind Prototyper/Pencil Project/PowerPoint
6.5	We are app developers	Developing a simple mobile phone app	Programming	App Inventor
6.6	We are marketers	Creating video and web copy for a mobile phone app	Creativity	Publisher, WordPress/Google Sites, Movie Maker