

Computing Curriculum Coverage – Switched on Computing



Year 1 Long Term Curriculum Overview

Unit / Title	Focus	Main Hardware / Software	Alternative Hardware / Software	National Curriculum Coverage
Unit 1.1 We are Treasure Hunters	Solving problems using programmable toys	Blue-Bot	Other programmable toys	Computer Science: Coding
Unit 1.2 We are TV Chefs	Filming the steps of a recipe	iPad – iMovie	Digital cameras WeVideo Vimeo Microsoft Photos	Computer Science: Computational thinking
Unit 1.3 We are Digital Artists	Creating work inspired by great artists	iPad Brushes Redux Autodesk Sketchbook	Microsoft Paint / Paint 3D	Information Technology: Creativity
Unit 1.4 We are Publishers	Creating a multimedia eBook about our achievements	iPad Book Creator	eBook maker Google Slides Microsoft PowerPoint	Digital Literacy: Online Safety
Unit 1.5 We are Rhythmic	Creating sound patterns in Scratch Junior and GarageBand	iPad GarageBand Scratch Junior	Audacity	Information Technology: Media
Unit 1.6 We are Detectives	Using data to solve clues	Popplet Google Forms Google Sheets	Bubbl.us MindMeister Freemind	Information Technology: Data

Year 2 Long Term Curriculum Overview

Unit / Title	Focus	Main Hardware / Software	Alternative Hardware / Software	National Curriculum Coverage
Unit 2.1 We are Astronauts	Programming on screen in Scratch Junior	iPad Scratch Junior	Bee-Bot or Blue-Bot	Computer Science: Coding
Unit 2.2 We are Game Testers	Working out the rules for games	iPad Scratch FixTheFactory	LightBot Code Hour	Computer Science: Computational thinking
Unit 2.3 We are Photographers	Taking, selecting and editing digital images	Snapseed	Pixlr	Information Technology: Media
Unit 2.4 We are Safe Researchers	Researching a topic	Popplet Google Slides	FreeMind Microsoft PowerPoint Keynote	Digital Literacy: Online Safety
Unit 2.5 We are Animators	Creating a stop-motion animation	Stop Motion Studio	iStopMotion Zu3D Stop Motion Animator	Information Technology: Media
Unit 2.6 We are Zoologists	Collecting data about bugs	Google My Maps Google Docs / Sheets / Slides	Windows Maps	Information Technology: Data

Year 3 Long Term Curriculum Overview

Unit / Title	Focus	Main Hardware / Software	Alternative Hardware / Software	National Curriculum Coverage
Unit 3.1 We are Programmers	Programming an animation	Scratch	Scratch Junior	Computer Science: Coding
Unit 3.2 We are Bug Fixers	Finding and correcting Bugs	Scratch Screen Recorder Software	Snap!	Computer Science: Computational thinking
Unit 3.3 We are Presenters	Videeing a presentation against a green screen	Green Screen background Popplet iMovie	Microsoft Photos	Information Technology: Media
Unit 3.4 We are Who we Are	Creating a range of media about ourselves	Google Docs GarageBand iMovie	Microsoft Word Microsoft PowerPoint	Digital Literacy: Online Safety
Unit 3.5 We are Co-Authors	Producing a wiki	Google Sites Popplet	iPads	Information Technology: Media
Unit 3.6 We are Opinion Pollsters	Collecting and analysing data	Google Forms Google Slides Google Drive	Numbers	Information Technology: Data

Year 4 Long Term Curriculum Overview

Unit / Title	Focus	Main Hardware / Software	Alternative Hardware / Software	National Curriculum Coverage
Unit 4.1 We are Software Developers	Developing a simple educational game	Scratch	Snap! Pyonkee	Computer Science: Coding
Unit 4.2 We are Makers	Coding for micro:bit	micro:bit Microsoft MakeCode	Crumble	Computer Science: Coding
Unit 4.3 We are Musicians	Creating a piece of music in GarageBand	GarageBand	LMMS	Information Technology: Media
Unit 4.4 We are Bloggers	Sharing experiences and opinions	WordPress or Blogger	Audio recorders or tablets	Digital Literacy: Online Safety
Unit 4.5 We are Artists	Fusing geometry and art	Scratch Inkscape Terragen	Pyonkee Snap!	Computer Science: Coding
Unit 4.6 We are Meteorologists	Recording and presenting the weather	Microsoft Excel Microsoft PowerPoint Keynote	Google suite	Information Technology: Data

Year 5 Long Term Curriculum Overview

Unit / Title	Focus	Main Hardware / Software	Alternative Hardware / Software	National Curriculum Coverage
Unit 5.1 We are Game Developers	Developing an interactive game	Scratch	Snap! Pyonkee Kodu	Computer Science: Coding
Unit 5.2 We are Cryptographers	Cracking codes	Scratch Laptops	Snap! Pyonkee	Computer Science: Computational thinking
Unit 5.3 We are Architects	Creating a virtual space	Trimble SketchUp Screencast-o-matic	Minecraft Home Design D 3dVAS SketchUp viewer	Information Technology: Media
Unit 5.4 We are Web Developers	Making sense of the Internet and building a website	Laptop Google Chrome	Other browsers	Digital Literacy: Online Safety
Unit 5.5 We are Adventure Gamers	Creating an interactive, multimedia adventure	Google Slides Voice recorder	Microsoft PowerPoint	Information Technology: Media
Unit 5.6 We are VR Designers	Learning about virtual reality	Google Cardboard Google Street View GarageBand CoSpaces	Google Maps Beetle Blocks	Information Technology: Media

Year 6 Long Term Curriculum Overview

Unit / Title	Focus	Main Hardware / Software	Alternative Hardware / Software	National Curriculum Coverage
Unit 6.1 We are Toy Makers	Coding using micro:bit	Laptops Micro:bit Microsoft MakeCode	Crumble	Computer Science: Coding
Unit 6.2 We are Computational Thinkers	Algorithms	Scratch Laptops	Snap! Pyonkee	Computer Science: Computational thinking
Unit 6.3 We are Publishers	Creating a yearbook	Laptop Google Docs	Book Creator Microsoft Word	Information Technology: Media
Unit 6.4 We are Connected	Social media	Laptop Digital camera WordPress or Blogger	Audio recorders	Digital Literacy: Online Safety
Unit 6.5 We are Advertisers	Making a short TV advert	iPad iMovie	Green Screen	Information Technology: Media
Unit 6.6 We are AI Developers	Learning about machine learning	Scratch MachineLearningForKids	eCraft2Learn	Computer Science: Coding