



**Computing
Overview
2024/25**

Unit	Title	Focus	Main hardware/ software	Alternative hardware/ software	Computing RoS focus
1.1	We are treasure hunters	Solving problems using programmable toys	Blue-Bots Blue-Bot app	<u>Other</u> programmable toys Scratch Bee-Bot emulator	Computer Science: Coding
1.2	We are TV chefs	Filming the steps of a recipe	iPads Camera app iMovie	Laptop/desktop computers Digital cameras Android tablets <u>WeVideo</u> Microsoft Photos	Computer Science: Computational thinking
1.3	We are digital artists	Creating work inspired by great artists	iPads Brushes Redux Autodesk Sketchbook	Laptop/desktop computers Chromebooks Android tablets Microsoft Paint/Paint 3D <u>PaintZ</u> for Chromebook	Information Technology: Creativity
1.4	We are publishers	Creating a multimedia eBook about our achievements	iPads Book Creator Google Photos	Laptop/desktop computers Chromebooks Google Slides Microsoft PowerPoint	Digital Literacy: Online safety
1.5	We are rhythmic	Creating sound patterns in <u>ScratchJr</u> and GarageBand	iPads GarageBand <u>ScratchJr</u>	Laptop/desktop computers Chromebooks Scratch Audacity, LMMS, <u>Soundtrap</u>	Information Technology: Media
1.6	We are detectives	Using data to solve clues	iPads <u>Popplet</u> Google Forms Google Sheets	Laptop/desktop computers Chromebooks <u>FreeMind</u> , <u>Bubbl.us</u> , <u>MindMeister</u> Microsoft Forms and Excel	Information Technology: Data

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2.1	We are astronauts	Programming on screen in <u>ScratchJr</u>	iPads <u>ScratchJr</u>	Laptops/desktops/Chromebooks Android tablets Blue-Bots or Bee-Bots Scratch	Computer Science: Coding
2.2	We are games testers	Working out the rules for games	iPads Scratch Laptops/desktops/Chromebooks <u>FixTheFactory</u>	Android tablets <u>Blockly</u> Games	Computer Science: Computational thinking
2.3	We are photographers	Taking, selecting and editing digital images	iPads Camera app Photos app <u>Snapsseed</u>	Android tablets Laptops/desktops/Chromebooks Digital cameras <u>Pixlr</u> , Windows Photos	Information Technology: Media
2.4	We are safe researchers	Researching a topic	iPads <u>Popplet</u> Google Slides Google custom search	Android tablets Laptops/desktops/Chromebooks <u>FreeMind</u> Microsoft PowerPoint, Keynote	Digital Literacy: Online safety
2.5	We are animators	Creating a stop-motion animation	iPads Stop Motion Studio	Android tablets Laptops/desktops/Chromebooks Digital cameras <u>iStopMotion</u> , Zu3D Stop Motion Animator	Information Technology: Media
2.6	We are zoologists	Collecting data about bugs	iPads Google My Maps Google Docs/Sheets/Slides Camera and Photos apps	Laptops/desktops/Chromebooks Digital cameras Windows Maps Microsoft suite	Information Technology: Data

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3 1	We are programmers	Programming an animation	Laptops/desktops/Chrom ebooks Scratch	Android tablets Cameras and microphones Scratch Jr.	Computer Science: Coding
3 2	We are bug fixers	Finding and correcting bugs	Laptops/desktops/Chrom ebooks Scratch Screen recorder software	Android tablets Snap!	Computer Science: Computational thinking
3 3	We are presenters	Videoing a presentation against a green screen	iPads Green screen background Tripods and iPad mounts Popplet iMovie	Camera app Microsoft Photos Adobe Premiere Elements	Information Technology: Media
3 4	We are who we are	Creating presentations about ourselves	Laptops/desktops/Chrom ebooks Google Slides Screen recorder software	iPads or Android tablets Microsoft PowerPoint	Digital Literacy: Online safety
3 5	We are co-authors	Producing a wiki	Laptops/desktops Google Sites s Popplet	iPads or Android tablets Chromebook	Information Technology: Media
3 6	We are opinion pollsters	Collecting and analysing data	Laptops/desktops/Chrom ebooks Google Forms Google Sheets Google Slides Google Drive	iPads or Android tablets Microsoft equivalents j2vote, j2data and j2office	Information Technology: Data

Unit software	Title	Focus	Main hardware/	Alternative hardware/ software	Computing PoS focus
4.1	We are software developers	Developing a simple educational game	Laptop/desktop computer Scratch	Snap! Python	Computer Science: Coding
4.2	We are makers	Coding for micro:bit	Laptop/desktop computer micro:bit Microsoft MakeCode	Crumble	Computer Science: Coding
4.3	We are musicians	Creating a piece of music in GarageBand	iPad GarageBand	LMMS	Information Technology: Media
4.4	We are bloggers	Sharing experiences and opinions	Laptop/desktop computer Digital camera WordPress or Blogger	Audio recorders or tablets	Digital Literacy: Online safety
4.5	We are artists	Fusing geometry and art	Laptop/desktop computer Scratch Inkscape Terragen	Logo Adobe Ideas Python Snap!	Computer Science: Coding
4.6	We are meteorologists	Recording and presenting the weather	Equipment for measuring weather Microsoft Excel Microsoft PowerPoint Keynote	Google suite	Information Technology: Data

Unit	Title	Focus	Main hardware/ software	Alternative hardware/ software	Computing PoS focus
5.1	We are game developers	Developing an interactive game	Laptops/desktops/Chromebooks Scratch	Microphones (optional) Snap! Kodu	Computer Science: Coding
5.2	We are cryptographers	Cracking codes	Laptops/desktops/Chromebooks iPads or Android tablets Scratch	Snap!	Computer Science: Computational thinking
5.3	We are architects	Creating a virtual space	Laptops/desktops/Chromebooks iPads or Android tablets Trimble SketchUp Screen recorder	CoSpaces Minecraft Education Edition	Information Technology: Media
5.4	We are web developers	Making sense of the Internet and building a website	Laptops/desktops/Chromebooks iPads or Android tablets Google Chrome Google Sites	N/A	Digital Literacy: Online safety
5.5	We are adventure gamers	Creating an interactive adventure using presentation software	Laptops/desktops/Chromebooks Google Slides Voice recorder	iPads Microsoft PowerPoint	Information Technology: Media
5.6	We are VR designers	Experimenting with virtual and augmented reality	iPads or Android smartphones Google Cardboard Google Street View GarageBand CoSpaces	N/A	Information Technology: Media

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6.1	We are toy makers	Coding and physical computing	Laptops/desktops/Chromebooks micro:bits MakeCode Scratch	iPads or Android tablets	Computer Science: Coding
6.2	We are computational thinkers	Mastering algorithms for searching, sorting maths	Laptops/desktops/Chromebooks Scratch	iPads Snap!	Computer Science: Computational thinking
6.3	We are publishers	Creating a yearbook or magazine	Laptops/desktops/Chromebooks Digital cameras or iPads Google Docs	Book Creator Microsoft Word	Information Technology: Media
6.4	We are connected	Developing skills for social media	Laptops/desktops/Chromebooks Digital cameras or iPads School blogging platform Padlet	Audio recorders or other tablets	Digital Literacy: Online safety
6.5	We are advertisers	Creating a short television advert	Laptops/desktops/Chromebooks Digital cameras or tablets iMovie	Green Screen	Information Technology: Media
6.6	We are AI developers	Learning about artificial intelligence and machine learning	Laptops/desktops/Chromebooks iPads Scratch Machine Learning for Kids Audacity Google Chrome	Smart speaker (Google Home/Amazon Echo)	Computer Science: Coding