

Computing Curriculum

| | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
|--------|--|--|--|--|---|---|
| Year 1 | <p>We Are Treasure Hunters <u>Control</u>, following instructions, moving about maps Equipment: Beebots Link to Geography, History, PSHE, Maths, English</p> | <p>We are celebrating Creating a card digitally, combining text and images Equipment: laptops Link to RE/Christmas, Art, Music, PSHE</p> | <p>We are collectors Finding images using the web <u>e-safety</u>: safe searching Equipment: laptops Link to PSHE, Maths, Science</p> | <p>We are painters using painting tools to create images to illustrate an eBook Equipment: laptops Link to English, Art, History</p> | <p>We are storytellers <u>Sound recording</u>, producing a talking book Link to English, Music, PSHE</p> | <p>We are TV chefs (recipes for festivals) <u>Video recording</u>, research, filming a recipe Equipment: video cameras, iPads Link to Science, Art, PSHE, English</p> |
| Year 2 | <p>We are games testers Exploring how computer games work Equipment: laptops/iPads Link to English, Science</p> | <p>We are photographers Taking digital photographs including editing and enhancing Equipment: iPads Link to Maths, Art</p> | <p>We are researchers Using the internet to research safely and then create a multimedia presentation Equipment: laptops/iPads Link to History</p> | <p>We are astronauts – Programming, Learn and Go control Equipment: BeeBot, Learn and Go Link to Maths, English, Art, DT</p> | <p>We are detectives – Communicating clues <u>Using email</u> Equipment: Laptops Link to English</p> | <p>We are zoologists – Data collecting, <u>data handling</u>, charts and graphs Equipment: Laptops, data loggers Link to Maths, Science, Geography</p> |
| Year 3 | <p>We are programmers Programming an animation Equipment: Scratch, Learn and Go Link to English, Art, Music</p> | <p>We are bug fixers Finding and correcting bugs in programs Equipment: Scratch, Probots, Flowol Link to English, Maths, Science</p> | <p>Introduction to robotics Equipment: WeDo Link to Maths, Science</p> | <p>We are network engineers Exploring computer networks including the internet Link to DT, Geography</p> | <p>We are presenters Videoing performance Equipment: iPads, cameras, laptops Link to English, Maths, PE</p> | <p>We are communicators Email, text, forums, chat, <u>video conference</u> Equipment: iPads, laptops Link to English, History, Art, PE, Music</p> |
| | <p>We are bloggers – <u>text</u> and other media Equipment: laptops, website Link to English</p> | | | | | |

Computing Curriculum cont.

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|--------|--|---|---|--|--|--|
| Year 4 | We are musicians: producing <u>digital music</u> . Equipment: iPads Link to Music | We are co-authors: producing a wiki. Text creation, <u>collaborative editing</u> , research Equipment: laptops Link to Topic/Science | We are meteorologists: presenting the weather Data logging, data analysis, <u>presentation</u> , video recording Equipment: data loggers, laptops Link to Geography | We are software developers Developing a simple educational game Equipment: laptops, 2code Link to Maths/English | We are toy designers Prototyping an interactive toy Equipment: learn and go and Flowol Link to DT | |
| | We are bloggers – <u>text</u> and other media Equipment: laptops Link to English | | | | | |
| Year 5 | We are web developers Create a website about cyber safety Equipment: laptops Link to English/History | We are Architects – 3D modelling , research, image management Equipment: laptops Link to Maths, Science, Art | We are cryptographers Cracking codes Equipment: laptops/iPads Link to Maths, DT, History, PSHE | We are artists Fusing geometry and art Equipment: laptops, Logo, Robots Link to Maths, Art | We are game developers Developing an interactive game – Equipment: laptops, Mission Maker Link to Art | Robotics II Equipment: Lego Mindstorms Link to Maths, Science |
| | We are bloggers – <u>text</u> and other media Equipment: laptops Link to English | | | | | |
| Year 6 | We are app planners Planning the creation of a mobile app Equipment: laptops/iPads Link to Art, Geography, Music | We are project managers Developing project management skills Equipment: laptops/iPads Link to Maths, English | We are market researchers Researching the app market Equipment: laptops/iPads Link to Maths, English | We are interface designers Designing an interface for an app Equipment: laptops/iPads Link to English, Art, DT, PSHE | We are app developers Developing a simple mobile phone app Equipment: laptops/iPads Link to Art, DT, PSHE | We are marketeers Creating video and web copy for a mobile phone app Equipment: laptops/iPads Link to Art, DT |
| | We are bloggers – <u>text</u> and other media Equipment: laptops Link to English | | | | | |