

Euxton Primrose Hill Primary School Computing Overview



EUXTON PRIMROSE HILL

Primary School

"Together we will make a difference."

	Autumn	Spring	Summer
EYFS	All knowledge and skills will be covered - contexts may change due to children's interests		
	<p>Using a PC - Controlling the mouse, making marks, changing colour, using tools, cause and effect - printing. Using the keyboard to type text. 2Publish+</p> <p>Using a tablet - controlling a simple app game. <i>Hairy Letters, Feed the Monkey</i> Taking a photo.</p>	<p>On-line safety - Kidsafe</p> <p>Programmable toys - Controlling a BeeBot</p> <p>Animation Interactive images - Chatterpix Import a picture into the app and add a voice recording.</p>	<p>Creating pictures - investigating symmetry, creating a symmetrical picture.</p> <p>Programming - Use software (Code Safari app) to make something happen.</p> <p>Pages app - create an information page about Spring. Include text and photographs.</p>
Year 1	<p>Data Handling Sort data into different groups and add labels.</p> <p>Programming Maze Game - Use sequence to create and debug simple programs, using Beebots and Scratch Jnr</p> <p>Online Safety - Copyright and Ownership Privacy and Security Health, Wellbeing and Lifestyle</p>	<p>Programming Animations in Scratch - Use sequence to create and debug simple programs.</p> <p>Multimedia - Animation Bringing a character to life - Based on a familiar story. Animate a simple image, add filters and stickers to enhance.</p> <p>Online Safety - Self-Image and Identity Online Relationships</p>	<p>Programming Various programs/devices - Use sequence to create and debug simple programs.</p> <p>Multimedia - Presentations Making a short presentation about The Great Fire of London (History link)</p> <p>Online Safety - Online Reputation Managing Online Information</p>
Year 2	<p>Programming Mr. Robot Helper unit - Create and debug programs with increasing complexity. Use logical reasoning to predict outcomes of algorithms.</p> <p>Multimedia - Interactive Images Add voice labels to an image to create an interactive presentation. Linked to History</p> <p>Online safety Managing Online Information Health, Well-Being and Lifestyle - Online Reputation Identify personal information that should be kept private.(1Decision - Deedee's Golden Rules PSHE)</p>	<p>Programming Knock Knock jokes - Create and debug programs with increasing complexity. Use logical reasoning to predict outcomes of algorithms.</p> <p>Multimedia - presentations Create an animal quiz. Use animations, import images and voice recordings.</p> <p>Online safety Self-Image and Identity Online Relationships Online Bullying</p>	<p>Data Handling Create tally charts, pictograms using attributes and present as a block chart.</p> <p>Multimedia - Animation Stop Motion Animation Use stop motion skills to create a scene from a Holiday at the beach</p> <p>Online safety Privacy and Security Copyright and Ownership</p>
Year 3	<p>Multimedia - Video creation Link to History Sequence clips of mixed media in a timeline and record a voiceover.</p> <p>Programming Use sequence and repetition to plan and write algorithms. Use abstraction to focus on important information.</p> <p>Online safety Privacy & Security, Self-Image & Identity, Online Bullying.</p>	<p>Multimedia - Interactive comics Link to History Create an interactive comic with sounds, formatted text and video. Edit the style and effect of text and images to make a document more engaging and eye-catching.</p> <p>Programming Use sequence and repetition to plan and write algorithms. Use abstraction to focus on important information.</p>	<p>Computer Networks Local Area Networks - know why computers are networked.</p> <p>Graphics / Digital Art - Link with Art/Science Take and manipulate photos to create a digital image using a range of tools, pens, brushes, and effects.</p> <p>Data Handling Create a branching database using attributes to sort and group animals.</p>

		Online safety Copyright & Ownership, Managing Online Information, Online Relationships	Online safety Health, Wellbeing & Lifestyle, Online Reputation.
Year 4	Multimedia/sound - Movie soundtrack Edit sound effects and compose a soundtrack that can be added to a film. Multimedia - Digital posters Combine digital images from different sources, objects and text to make a final piece. Online safety Self-Image and Identity, Online Relationships Online Reputation.	Programming Design and write more complex algorithms and programs using sequence, repetition and selection. Use logical reasoning to detect and correct errors in programs. Data Online questionnaires - create and publish an online questionnaire and analyse the results. Online safety Online Bullying, Managing Online Information Health, Wellbeing and Lifestyle	Programming Physical computing - design and write more complex algorithms and programs using sequence, repetition and selection. Use logical reasoning to detect and correct errors in programs. Multimedia / Computer Networks Video creation - visual storytelling, using greenscreen with animated backgrounds. Understand the difference between the Internet and WWW Online safety Privacy and Security Copyright and Ownership
Year 5	Multimedia - AR and VR Create an interactive poster using AR, enhance digital photos and images using crop, brightness and resize tools. Programming Design and write programs using sequence, repetition, selection and variables. Evaluate the effectiveness of algorithms. Online safety Self-Image and Identity Online Relationships Online Reputation	Multimedia - Video creation Linked to Highwayman Poem - use cutaway and split screen tools, improve greenscreen clips using crop and resize. Organise text on a screen to suit a purpose. Programming Everyone can code (Swift Playgrounds) - Code using commands in sequence, define and call a function/procedure they have written. Online safety Online Bullying Managing Online Information	Multimedia - Web page design Create a webpage and embed a video. Evaluate and improve using different video tools. Computer Networks Search Engines - understand how pages are ranked in a search engine. Online safety Health, Wellbeing and Lifestyle Privacy and Security Copyright and Ownership
Year 6	Multimedia - Apps App Prototype - Design and make an app prototype that links multimedia pages with hyperlinks. Edit pictures, remove backgrounds and merge photos. Understand purpose and audience. Computer Networks HTML - Understand what HTML is and recognise HTML tags. Online safety - Managing Online Information Privacy and Security Copyright and Ownership	Multimedia - Sound Podcasting Experiment with live loops to create a song, edit sound effects for a purpose. Write and record a script, combine digital images, sound and text to create a final piece. Programming Everyone can code (Swift Playgrounds) Write code with repetition using 'for loops', variables and conditions. Online safety Online Bullying Online reputation Online relationships Talking safely online - making friends online (PSHE)	Multimedia - Video Creation Create a video using a range of media - greenscreen, animations, film and image. Critically evaluate their work. Programming- Microbits Design and create more complex programs using sequence, repetition, selection and variables appropriately. Recognise and make use of patterns in code. Online safety Self-image and identity Health, well-being and lifestyle