

Sutton Park Primary School

Computing Progression



COMPUTER SCIENCE					
Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p>I can create simple programs.</p> <p>I can design and create programs for others to play.</p> <p>I can describe uses of technology beyond school.</p> <p>I can predict the outcomes of a program.</p> <p>I can use simple events (selections) in programs.</p> <p>I can create simple programs using repeats.</p>	<p>I can understand that instructions in an algorithm need to be precise and unambiguous.</p> <p>I can create programs.</p> <p>I can debug an error in a simple algorithm.</p> <p>I can use simple repeats in programs.</p> <p>I can use logical reasoning to predict the behaviour of simple programs.</p> <p>I can use basic selections in programs and explain using the language if ... then.</p> <p>I can investigate how computers have changed over the years.</p> <p>I can identify, name and explain the functions of the main components of a computer.</p> <p>I can name and compare common input and output devices of computer systems.</p> <p>I can identify and describe uses of technology beyond school.</p> <p>I can explain how robots can be controlled.</p>	<p>I can identify the uses of technology beyond school and discuss reasons why they are helpful (e.g. robots and simulations).</p> <p>I can understand how a computer stores data.</p> <p>I can understand the main hardware components of a computer system.</p> <p>I can understand various forms of input/output.</p> <p>I can understand how the internet works, including how it is structured and that data travels along.</p>	<p>I can design and create a prototype game that accomplishes specific goals and make improvements following feedback.</p> <p>I can review a game and make improvements by debugging so a game run correctly.</p> <p>I can create a program using a range of events/inputs to control what happens.</p> <p>I can solve problems in algorithms by decomposing them into smaller parts.</p> <p>I can create programs including repeat commands.</p> <p>I can create an interactive quiz and program right and wrong answers.</p> <p>I can embed an interactive quiz into a website.</p>	<p>I can work independently to design and program a game for a specific audience.</p> <p>I can program a game which tells a story over more than one level.</p> <p>I can experiment with different codes to test each element of a game until a desired outcome is reached.</p> <p>I can make predictions on what will happen in a program when inputs are changed.</p> <p>I can test, debug and improve programs.</p> <p>I can describe the impact of technology on society.</p> <p>I can investigate the services offered by the internet.</p> <p>I can understand about different types of robotics and how they can impact our lives.</p> <p>I can understand about the advancements in technology and the impact this has had on society.</p>	<p>I can write programs that accomplish specific goals.</p> <p>I can work independently to design and create 3D models using CAD software.</p> <p>I can create simple variables and understand their role in a program.</p> <p>I can create programs including repeat commands.</p> <p>I can understand a 3D model could be created from a 2D drawing.</p> <p>I can work independently to design and create 3D models from 2D designs.</p> <p>I can create variables in spreadsheets and understand their role in a program.</p>

INFORMATION TECHNOLOGY

<p>I can combine images and edit text to create digital content.</p> <p>I can combine images, text and voice recordings to retell a story.</p> <p>I can type words correctly using a keyboard.</p> <p>I can use digital drawing tools to draw characters from a story or for a game.</p> <p>I can make improvements to digital content following feedback.</p> <p>I can create a simple presentation using slides.</p> <p>I can apply edits to digital content to achieve a particular effect.</p> <p>I can create posters by adding images to frames, editing text by changing font style, colour and size.</p>	<p>I can create digital content combining text, images, and sounds.</p> <p>I can type words correctly using a keyboard.</p> <p>I can combine text and images to create a video presentation.</p> <p>I can edit video content to improve it.</p>	<p>I can combine text (fonts, colours, backgrounds, speech bubbles), images, voice recordings and videos to create a digital content.</p> <p>I can design and create digital logos and graphics combining fonts and texts.</p> <p>I can create and edit a video/animation by combining text, images and music.</p> <p>I can create a contents page, a blurb and add page numbers.</p> <p>I can edit digital content to improve it according to feedback.</p> <p>I can create a presentation with slides that include animations and transition effects.</p> <p>I can select options to change the appearance of digital content and explore tools to edit it.</p>	<p>I can create a presentation with slides with animations and transition effects.</p> <p>I can edit digital content to improve it according to feedback.</p> <p>I can use photo editing tools to improve the quality of images.</p> <p>I can create and edit a video by combining text, images, effects and music.</p> <p>I can use a keyboard accurately with two hands to type and format documents.</p> <p>I can combine text (fonts, colours, backgrounds), images, voice recordings and videos to create digital content.</p> <p>I can build a website or web page that includes pages, text, images and videos in a clear and organised way.</p> <p>I can create an app/ website with menus for ease of navigation.</p>	<p>I can identify the pros and cons of different games.</p> <p>I can organise digital content by combining text boxes and images.</p> <p>I can use creative tools to create a marketing campaign for a game.</p> <p>I can plan and create a video by combining images, text, music and different layouts.</p> <p>I can use word processing tools to format a document.</p> <p>I can make a presentation to an audience using digital tools.</p> <p>I can edit/refine a movie to add special effects, text, sound effects, graphics and backing tracks.</p> <p>I can work independently on a topic to build and create a website with pages, titles, images, videos and text.</p>	<p>I can edit videos, graphics and documents independently to create digital content.</p> <p>I can evaluate my own content against success criteria and make improvements using editing tools accordingly.</p> <p>I can format a digital document to present ideas.</p> <p>I can design a suitable brand for a business and promote it.</p> <p>I can create a spreadsheet with formulas for profit and loss of a business.</p> <p>I can work independently to create a presentation that includes graphics, images and movies.</p> <p>I can design and build a web page and share it online.</p> <p>I can combine text and images to create eye catching social media adverts.</p> <p>I can create a video for a marketing campaign and make improvements following feedback.</p>
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ONLINE SAFETY

<p>I can explain how other people's identity online can be different to their identity in real life.</p> <p>I can describe what information not to put online without asking a trusted adult first.</p>	<p>I can explain why it is important to be considerate and kind to people online in ways that do not upset others.</p> <p>I can use the internet to communicate with people you do not know well and give</p>	<p>I can explain why many people sharing the same opinions or beliefs online does not make those opinions or beliefs true.</p> <p>I can describe ways people who have similar likes and interests can get together online.</p>	<p>I can explain the importance of self-regulating the use of technology.</p> <p>I can recognise the need to be careful before sharing anything online and only with people you can trust.</p>	<p>I can describe ways technology can affect health and know strategies, tips or advice to promote healthy living.</p> <p>I can describe common systems that regulate age-related content (e.g. PEGI, BBFC,</p>	<p>I can explain why information that is on a large number of sites may still be inaccurate or untrue.</p> <p>I can assess how this might happen (e.g. the sharing of</p>
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<p>I can explain rules and give examples to keep us safe when we are using technology both in and beyond the home.</p>	<p>examples of how you might use technology.</p> <p>I can recognise that there may be people online who could make me feel sad, embarrassed or upset.</p>	<p>I can analyse information and have ways to check its credibility.</p>	<p>I can understand the different types of social media platforms and how they are used for communication.</p>	<p>parental warnings) and describe their purpose.</p> <p>I can demonstrate how to make references to and acknowledge sources that have been used from the internet.</p>	<p>misinformation either by accident or on purpose).</p> <p>I can describe ways in which some online content targets people to gain money or information illegally and describe strategies to identify such content (e.g. scams, phishing).</p> <p>I can make positive contributions and be part of online communities.</p>
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