

# Computing Progression Statements

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>Information technology</b>	<p>Enter key words and search phrases using a keypad</p> <p>Use the mouse to select icons and items</p> <p>Print work with assistance</p> <p>Save work with assistance</p>	<p>Entered simple sentences using a keyboard</p> <p>Use a mouse to point, click and drag objects around a screen.</p> <p>Print work</p> <p>Save work</p> <p>Talk about how they have used the computer to create things</p>	<p>Combine graphics with text</p> <p>Use appropriate effects and re-size graphics</p> <p>Copy text from an internet page to a document</p> <p>Save and retrieve work to/from a network location</p>	<p>Use the more advanced features of applications (eg. word processing or presentation software) to help them match their work to their audience</p> <p>Use the search facility in a database to find the answer to questions</p> <p>Carry out searches involving more than one condition to find answers to a variety of questions, sometimes with help</p>	<p>Create digital content that incorporates text and images</p> <p>Understand that information in the form of text, sound and pictures can be combined to create digital content and communicate with an audience</p> <p>Recognise the audience when designing and creating digital content</p>	<p>Plan, design and create digital content that incorporates text, images and sound and communicates with an audience</p> <p>Be able to discuss the rationale behind their designs</p> <p>Develop and refine digital content</p>
<b>Digital literacy</b>	<p>Navigate a website using buttons and image links</p> <p>Find answers to simple questions using a website</p> <p>Use drawing and text tools to impart information</p>	<p>Use a link to find a website</p> <p>Navigate a website using hyperlinks and the back button.</p> <p>Choose the information in a website to present</p> <p>Find answers to questions using information in a website</p> <p>Talk about work</p>	<p>Find information by navigating around a website using hyperlinks and the back button</p> <p>Confidently type web addresses in to a web browser</p> <p>Question credibility of online information</p> <p>Create Internet 'Favorites' and use these to access</p>	<p>Understand that a computer network means connected computers</p> <p>Understand that you can use the internet for activities other than web browsing</p> <p>Confidently enter urls into an address bar of a browser</p> <p>Know that not all information available</p>	<p>Use search technology to find things out</p> <p>Suggest a number of activities that you can use the internet for (e.g. online gaming, voice over internet, email etc.)</p> <p>Cross-check information provided on one website against that provided on another</p>	<p>Communicate and collaborate using technology and online services</p> <p>Create simple web content using basic HTML</p> <p>Know that internet search engines use algorithms to find web content (e.g. web crawling)</p> <p>Know that search</p>

			<p>websites</p> <p>Print web pages and copy and paste information into other applications</p> <p>Describe how they use IT at school and home</p> <p>Evaluate their own work, and that of others, and comment on improvements</p>	<p>online is reliable and needs to be checked</p>	<p>Create digital content for specific purposes</p>	<p>results are organised in order of popularity</p> <p>Use search technology and clear search terms to view web pages and obtain data</p> <p>Use a number of internet services (e.g. voice over internet, email etc.)</p> <p>Create digital content for specific purposes and audiences</p> <p>Use feedback to improve digital content</p>
<b>Computer Science</b>	<p>Read a set of instructions and usually predict the correct outcome</p> <p>Produce a set of instructions that others can usually follow</p>	<p>Produce a sequence of instructions that result in planned outcomes.</p> <p>Program a short a sequence of commands that results in a planned effect</p> <p>Program and test a simple program</p> <p>Create algorithms to solve simple problems</p>	<p>Plan a sequence of instructions</p> <p>Give a sequence of instructions, some of which are repeated (repetition) and involve choices (selection) e.g. if..then, to make things happen</p> <p>Program a sequence of commands that results in a planned effect</p> <p>Program and test a simple program</p>	<p>Use sequence, selection and repetition in computer programs</p> <p>Predict the outcome of a given algorithm or program and correctly identify if repetition is involved</p> <p>Understand the difference between the internet and internet services e.g. the world wide web</p> <p>Identify a number of computing devices inside and outside of the classroom and identify some common forms of input and</p>	<p>Write and amend computer programs</p> <p>Program a number of algorithms that achieve a specific outcome</p> <p>Use repetition, variables and conditional statements in computer programs</p> <p>Test computer programs and correct any errors</p>	<p>Write and amend more complex computer programs to create a variety of outcomes</p> <p>Decompose 'problems' by splitting them into smaller 'problems' and designing solutions for each part</p> <p>Use iteration (repeats and loops), variables and conditional statements (if..then) in computer programs</p> <p>Test computer programs and correct most errors</p>

				output  Understand that computers store data as numbers		
<b>e-safety</b>	<p>Understand that various information is personal (eg. hobbies)</p> <p>Usually identify characteristics of trustworthy people</p> <p>Know that personal information should only be given to trusted people</p>	<p>Understand that a wider range of information is personal (eg. regular attendance at a specific place)</p> <p>Identify some of the ways to use computers safely</p>	<p>Know the need for passwords and that they should be kept safe.</p> <p>Follow e-safety guidelines</p>	<p>Know the need to use secure passwords and to keep them private</p> <p>Use ICT to communicate and collaborate, identify some of the risks and act to minimise them</p> <p>Know that not all information provided on the world wide web is correct and that it needs to be checked</p>	<p>Know that personal information should only be given to trusted sources</p> <p>Know that some information on the internet may be misleading or inaccurate and that it needs to be checked</p> <p>Use technology and online services to communicate and collaborate, identify some of the risks and act to minimise them</p>	<p>Use digital tools to communicate and collaborate effectively online</p> <p>Identify some of the risks associated with work and leisure in a digital society and act to minimise them</p> <p>Find information online and check it for accuracy and reliability</p>