

Teacher ICT and Computer Science Skills Checklist - Year 5

Digital Citizenship	Problem Solving	Creating, Communicating and Collaborating	Digital Creativity	Computer Science
<p><i>Identify the characteristics of strong passwords, apply characteristics of strong passwords to create new passwords and create secure passwords with their family members.</i></p> <p><i>Establish expectations and norms for the group related to appropriate online behavior, participate responsibly and respectfully in an online community and collaborate on a classroom motto about digital citizenship.</i></p> <p><i>Define what spam is, explore strategies for safely managing unwanted messages and identify different forms of spam.</i></p> <p><i>Explain the value of giving proper citations, name the components of an MLA style citation for different types of websites and create MLA style citations for online articles and professional sites.</i></p> <p><i>Recognize that photos can be altered digitally, and consider the upsides and downsides of this practice. They are also able to discuss how photo alteration can distort our perceptions and affect our self-image, along with analyzing how advertising uses photo alteration to help sell products.</i></p>	<p><i>Design and amend 2D/3D computer models.</i></p> <p><i>Search a large online database following a particular line of enquiry.</i></p> <p><i>Create a database, adding records and amending fields as necessary.</i></p> <p><i>Produce graphs from spreadsheet data.</i></p> <p><i>Create formula using the four rules of number in a spreadsheet.</i></p> <p><i>Perform basic cell formatting in a spreadsheet.</i></p>	<p><i>Upload files to their online storage area.</i></p> <p><i>Insert and format a table in a document.</i></p> <p><i>Cut, copy and paste text in several ways.</i></p> <p><i>Plan and create a word processed document, with a sense of purpose and audience, demonstrating a variety of word processing functions.</i></p> <p><i>Basically organise their email contacts, and can use cc to include another person in their email.</i></p> <p><i>Use instant messaging to communicate with others.</i></p> <p><i>Create a document adding text and image components and arrange appropriately on-screen.</i></p> <p><i>Print off or publish their work and evaluate its effectiveness.</i></p>	<p><i>Create a simple stop-frame animation and can delete and move frames as necessary.</i></p> <p><i>Insert pauses into a stop-frame animation to improve quality.</i></p> <p><i>Pupils are able to plan, create and export a stop-frame animation.</i></p> <p><i>Import media and perform simple video editing.</i></p> <p><i>Add transitions to the video timeline and resequence media.</i></p> <p><i>Plan and create a video for a specific purpose.</i></p>	<p><i>Describe some of the positive and negative aspects of the use of technology.</i></p> <p><i>Place key computing events on a timeline.</i></p> <p><i>Basically understand how a computer stores data and can back up files to various drives.</i></p> <p><i>Create a program using "if do else" and detect and correct errors.</i></p> <p><i>Analyse and explain how an existing program works and use input from a keyboard or mouse to control part of a program.</i></p> <p><i>Use variables in the context of a game.</i></p> <p><i>Write and use simple procedures.</i></p> <p><i>Design a simple algorithm including the use of Boolean values.</i></p>

<p><i>Learn how to avoid unwanted search results. Use advanced search techniques and learn how to judge the legitimacy of a result or a website.</i></p>				
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