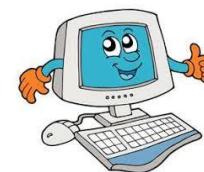


## Progression of Skills in Computing – Year 6 (‘I can’ statements)



<b>E-Safety &amp; Digital Citizenship</b>	<ul style="list-style-type: none"><li>• I can protect my password and other personal information.</li><li>• I can explain the consequences of sharing too much information about myself online.</li><li>• I support my friends to protect themselves and make good choices online, including reporting concerns to an adult.</li><li>• I can explain the consequences of spending too much time online or on a game.</li><li>• I can explain the consequences to myself and others of not communicating kindly and respectfully.</li><li>• I can understand how to protect my computer or device from harm on the internet.</li></ul>
<b>Programming</b>	<ul style="list-style-type: none"><li>• I can deconstruct a problem into smaller steps, recognising similarities to solutions used before.</li><li>• I can explain and program each of the steps in my algorithm.</li><li>• I can evaluate the effectiveness and efficiency of my algorithm while I continually test the programming of that algorithm.</li><li>• I can recognise when I need to use a variable to achieve a required output.</li><li>• I can use a variable and operators to stop a program.</li><li>• I can use different inputs (including sensors) to control a device or onscreen action and predict what will happen.</li><li>• I can use logical reasoning to detect and correct errors in algorithms and programs.</li></ul>
<b>Using Software and Technology</b>	<ul style="list-style-type: none"><li>• I can talk about audience, atmosphere and structure when planning a particular outcome.</li><li>• I can confidently identify the potential of unfamiliar technology to increase my creativity.</li><li>• I can combine a range of media, recognising the contribution of each to achieve a particular outcome.</li><li>• I can tell you why I select a particular online tool for a specific purpose.</li><li>• I can be digitally discerning when evaluating the effectiveness of my work and the work of others.</li><li>• I can tell you the internet services I need to use for different purposes.</li><li>• I can describe how information is transported on the internet.</li><li>• I can talk about the way search results are selected and ranked.</li><li>• I can check the reliability of a website.</li><li>• I can tell you about copyright and acknowledge the sources of information that I find online.</li></ul>