

# Primary Computing: End of year expectations (Year 6)

	e-Safety	Programming	Handling Data	Multimedia	Technology in our Lives
Year 6	<ul style="list-style-type: none"> <li>• I protect my password and other personal information.</li> <li>• I can explain the consequences of sharing too much 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 protect my computer or device from harm on the Internet.</li> </ul>	<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 a algorithms and programs.</li> </ul>	<ul style="list-style-type: none"> <li>• I can plan the process needed to investigate the world around me.</li> <li>• I can select the most effective tool to collect data for my investigation.</li> <li>• I can check the data I collect for accuracy and plausibility.</li> <li>• I can interpret the data I collect.</li> <li>• I can present the data I collect in an appropriate way.</li> <li>• I use the skills I have developed to interrogate a database.</li> </ul>	<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 own work and the work of others.</li> </ul>	<ul style="list-style-type: none"> <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 select an appropriate tool to communicate and collaborate online.</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> <li>• I know that websites can use my data to make money and target their advertising .</li> </ul>