

Assessment area	Developing	Secure	Excellent
<p><b>Networks &amp; Cyber Security</b></p>	<ul style="list-style-type: none"> <li>• To be able to define what a network is</li> <li>• To be able to give advantages and disadvantages of networks</li> <li>• To be able to describe the different cyber threats whilst using a network</li> <li>• To be able to explain what phishing and pharming are</li> <li>• To be able to explain the difference between wired and wireless connections</li> </ul>	<ul style="list-style-type: none"> <li>• To be able to describe the types of networks – LAN, WAN, PAN</li> <li>• To understand the basics of how data is sent across the internet</li> <li>• To be able to explain the difference between the internet and the WWW</li> <li>• To be able to explain what malware is and give examples of malware</li> <li>• Know how to recognise a phishing attack and how to avoid it</li> <li>• To be able to explain the advantages and disadvantages of wired and wireless connections</li> </ul>	<ul style="list-style-type: none"> <li>• To be able to explain how a data is sent across a network using packets</li> <li>• To be able to explain the role of TCP is data transmission</li> <li>• To understand the role of the DNS</li> </ul>
<p><b>Spreadsheet skills</b></p>	<ul style="list-style-type: none"> <li>• To be able to explain typical uses of a spreadsheet.</li> <li>• To be able to understand terminology – row, column, cell reference, range</li> <li>• To be able to construction simple formulas using + - * /</li> <li>• To be able to format a spreadsheet – colours, fonts, headings, text alignment</li> <li>• To be able to use the SUM function</li> </ul>	<ul style="list-style-type: none"> <li>• To be able to use the MIN, MAX and AVERAGE functions.</li> <li>• To be able to include conditional formatting within their spreadsheet</li> <li>• To be able to create a range of different charts within a spreadsheet</li> </ul>	<ul style="list-style-type: none"> <li>• To be able to explain the benefits of using charts &amp; graphs.</li> <li>• To be able to set up data validation using a list of allowable values</li> <li>• To be able to create a profit and loss account using a range of formulas</li> </ul>

<b>Python Programming</b>	<ul style="list-style-type: none"> <li>• To be able to understand what a variable and explain how they work.</li> <li>• To be able to understand and explain what the different data types are</li> <li>• To be able to apply the data types within Python.</li> <li>• To be able to understand the terms Sequence, Selection and Iteration</li> <li>• To be able to create a program that containing inputs, outputs, variables and basic selection (IF) statements</li> </ul>	<ul style="list-style-type: none"> <li>• To be able to use different data types in a program; string, integer &amp; float</li> <li>• To be able to understand and explain what an ELIF statement is and apply it with a program</li> <li>• To be able to explain the difference between a FOR and WHILE loop</li> <li>• To be able to concatenate strings within Python</li> <li>• To be able to explain what the Random library is used for</li> </ul>	<ul style="list-style-type: none"> <li>• To be able to create programs that contain FOR &amp; WHILE loops</li> <li>• To be able to create programs that use a list</li> <li>• To be able to use the following list commands: sort, reverse, append, pop</li> <li>• To be able to import the RANDOM library and implement it within a program</li> </ul>
<b>Web design</b>	<ul style="list-style-type: none"> <li>• To be able to explain what HTML is used for</li> <li>• To be able to explain what makes good and bad web design</li> <li>• To be able to create a single web page using basic HTML tags: headings, paragraphs and images</li> </ul>	<ul style="list-style-type: none"> <li>• To be able to create a webpage that is hyperlinked to another page</li> <li>• To be able to include a list &lt;ul&gt; or &lt;ol&gt; and a table within a webpage</li> <li>• To be able to understand the benefits of using CSS</li> </ul>	<ul style="list-style-type: none"> <li>• To be able to use inline CSS within a single webpage</li> <li>• To be able to create a website that contains multiple pages</li> <li>• To be able to use an external CSS file to style a entire website</li> </ul>