

Knowledge & Skills	
Programming in Python	<ul> <li>Basic Python syntax</li> <li>How to use variables</li> <li>IF, THEN and ELSE in Python</li> <li>FOR and WHILE loops</li> </ul>
Networks	<ul> <li>State that the Internet is a wide area network and the world wide web is part of the Internet</li> <li>Define the meaning of the terms "domain name", http protocol</li> <li>Explain the basic principle of packet switching</li> <li>Give examples of LANs and WANs</li> <li>State three different network topologies</li> <li>Describe the advantages of a client-server network.</li> <li>State why some transmissions are encrypted, and use a simple algorithm to encrypt and decrypt a message</li> </ul>
Website Development	<ul> <li>Write HTML code to create a simple web page and display it in a browser</li> <li>Write CSS to define the styles used in a web page</li> <li>Create a simple navigation system using HTML</li> <li>Use a design to create a template for a web page using HTML</li> <li>Create their own multi-page website</li> <li>Insert text, images and links on their web pages</li> </ul>
BBC Micro Bit	<ul> <li>Development of programs on the BBC micro:bit using visual programming.</li> <li>Understand how a program develops in a lifecycle.</li> <li>Start to look at some MicroPython</li> </ul>
Excel	<ul> <li>develop knowledge of how to use Excel in real life situations</li> <li>cell references</li> <li>brackets to change order of functions</li> <li>filters</li> <li>conditional formatting</li> <li>some functions: SUM, AVERAGE, MIN, MAX</li> </ul>