

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