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| **Subject: Computing****Year: 9 Rotation** |
| **Topic 1****Digital Graphics (Bitmap)*** Evaluate how bitmap graphics are different to vector graphics
* Purpose of different digital graphics
* Meaning within graphics
* Using colours and objects effectively
* Implementing and utilising whitespace effectively
* Explain digital graphics properties
* Basic tools digital graphics editing software
* Types of files used in image editing (file formats)
* Graphical editing careers
* Analyse a brief issued by a client
* Identify success criteria for a given project
* Construct a digital graphic for a given purpose and specification
* Evaluate the effectiveness of a constructed graphic
 | **Topic 2****Physical Computing*** Describe what the micro:bit is
* List the micro:bit’s input and output devices
* Use a development environment to write, execute, and debug a Python program for the micro:bit
* Write programs that use the micro:bit’s built-in input and output devices
* Write programs that communicate with other devices by sending and receiving messages wirelessly
* Write programs that use GPIO pins to generate output and receive input
* Decompose the functionality of a physical computing system into simpler features
* Design a physical computing artifact purposefully, keeping in mind the problem at hand, the needs of the audience involved, and the available resources
* Implement a physical computing project, while following, revising, and refining the project plan
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