**Year 8 Computing & ICT Assessment – Autumn Term**

*Units: Magazine Publishing, Python Programming, Controversial Topic*

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|  | Mastery | KS2 L5 | KS2 L4 | KS2 L3 |
| **Knowledge** | I can:   * Identify and describe how a range of image editing techniques might have been carried out * Understand the importance of ensuring that online research is accurate | I can:   * Describe a range of image editing techniques * Define the terms ‘sequence’, ‘selection’ and ‘iteration’ | I can:   * Explain what is meant by a layer in an image * Understand that not all information found using a search engine is reliable | I can:   * Identify some image editing tools * Understand what a search engine is |
| **Skills** | IT Skills:   * Consistently use file and folder names to organise my work logically * Create and use a consistent house style to make my documents look professional   Media Skills:   * Plan for and use a wide range of advanced image editing tools   Computing Skills:   * Devise my own algorithms * Use logic to manage the control flow of computer programs | IT Skills:   * Use file and folder names to organise my work in a logical manner * Describe and use formatting tools to create a consistent house style   Media Skills:   * Create a detailed and effective sketches and plans * Edit images in a professional and effective manner   Computing Skills:   * Independently create sequences of instructions * Use selection and/or iteration | IT Skills:   * Use meaningful filenames * Use formatting tools to create consistent documents * Identify online sources that are clearly unreliable   Media Skills:   * Sketch and annotate a visualisation * Use appropriate tools to remove backgrounds and merge images together   Computing Skills:   * Create sequences of instructions in a text-based programming language | IT Skills:   * Save files in specific locations * Use some formatting tools * Carry out searches using a search engine   Media Skills:   * Sketch a visualisation for a project * Resize and rotate images   Computing Skills:   * Follow instructions to edit a text-based computer program |
| **Application** | * Design and create products using a consistently wide range of advanced tools and techniques * Design and create efficient programs that solve complex, real-world problems | * Create professional and effective products that are wholly fit for purpose * Create a range of computer programs to solve problems of my own devising | * Produce consistent and effective documents that suit their audience * Solve a given problem by creating a computer program * Present evidence-based information about a topic | * Use image editing skills to create a simple magazine cover * Alter the function of text-based computer programs * Find facts on a given topic |