**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
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| **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
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| **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
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