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ICT and Creative iMedia Graphic Design

graphic skills and understanding of iMedia theories.

Developing planning and vector editing skills to create a logo.

In Year 8 students develop a range of skills that allow them to get a better understanding of different sectors of computing

The students build upon previous skills learnt to develop and enhance their knowledge and understanding. For example, developing Blockly + Microbits (block code) to Python (text-based code) in Year 8. Students with further develop their

and ICT. Students will begin to develop their skills in 3 main areas: Digital Literacy, ICT and Computer Science.

- Internet safety
- Understanding a Client Brief and target audience
- · Research and planning techniques
 - Mood board
 - mind map
 - o visual elements
 - visualisation diagram
 - Annotation
- Vector editing skill
- Exporting
- Evaluation

Assessment:

Practical assessment of project work and outcome

Computer Science and Programming

Computational thinking and programming text-based coding.

- Introduction to text-based coding (Python)
- Outputs and error handling
- Inputs and testing
- Decomposition Developing complex algorithms (problem solving)
- Understanding the terms, selection and how they apply to programming.
- Python Turtle
 - Explain/debug how variables are used in programs
 - Using Loops to create programs

Assessment:

Practical assessment of a variety of tools used to create a product for a client.

Useful resources for supporting your child at home:

Programming:

Teaching coding made easier(TurningLab)

code combat https://codecombat.com/

Microbit Projects | micro:bit (microbit.org)

Learn Python https://www.learnpython.org/

Graphics:

Sue Farrimond Tutorials (google.com), snapseed App

Inkscape https://inkscape.org/ Free vector editing tool