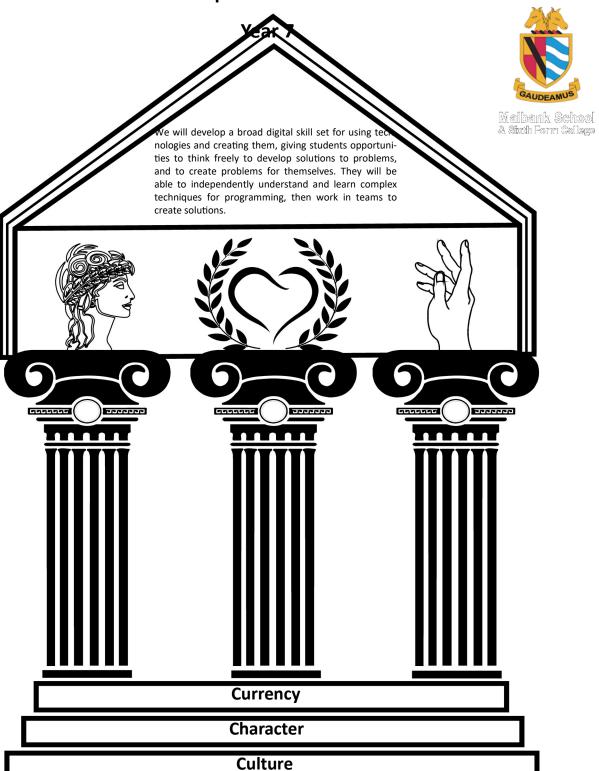
# **Malbank School Computer Science and ICT Curriculum**



# Head Heart Self-awareness Creativity Application of Knowledge Awareness of others Teamwork Open to BIG ideas LORIC Skills

# **Malbank School Computing Curriculum**









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Organising				
Undertake creative projects that involve selecting, using, and combining multiple appli- cations, (preferably across a range of devices), to achieve challenging goals, including col- lecting and analysing data and meeting the needs of known users.	•	Leadership	•	Opportunity to lead a team on specific issues.
Create, reuse, revise and repurpose digital artefacts for a given audience, with attention to trustworthiness, design and usability.  Understand a range of ways to use technology safely, respectfully, responsibly and securely, including protecting their online identity and		Independence	•	Will be required to solve ICT work issues independently.
privacy	•	Resilience	•	Will be encourages not to seek help when solving certain problems.
Communication				
Undertake creative projects that involve selecting, using, and combining multiple applications, preferably across a range of devices, to achieve challenging goals, including collecting and analysing data and meeting the needs of known users;  Create, re-use, revise and re-purpose digital artefacts for a given audience, with attention to trustworthiness, design and usability	•	Organisation  Communication	•	Must have good file management skills.  Opportunities to discuss developments with their work and to work in a team.
Visual Programming				
<ul> <li>Design, use and evaluate computational abstractions that model the state and behav- iour of real-world problems and physical sys- tems;</li> </ul>	• 1	Independence		Will be required to solve ICT work
<ul> <li>Use two or more programming lan- guages, [at least one of which is textual], to solve a variety of computational problems;</li> </ul>			•	issues independently.  Keep going even though learning the different languages can be demand-
<ul> <li>Design and develop modular programs that use procedures or functions;</li> </ul>	•	Motivation		ing for many.
Undertake creative projects that involve selecting, using, and combining multiple applications.	•	Communication	•	Walk-through sections of code with other individuals.

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### Modelling

• Undertake creative projects that involve collecting and analysing data and meeting the needs of known users.

Communication

Some children will be required to help others to analyse data through verbally communicating solutions.

### **Exploring Data**

- Make appropriate use of data structures (for example, lists, tables or arrays);
- Understand the hardware and software components that make up computer systems;
- Understand how data of various types (including text, sounds and pictures) can be represented;
- Undertake creative projects that involve selecting, using, and combining multiple applications, to achieve challenging goals, including collecting and analysing data and meeting the needs of known users.

Independence

Decide then implement the appropriate structured independently.

Independently research and configure a computer system.