Year 7 ICT and Computing Progress Criteria 2019

	Foundation	Secure	Advanced	Exceptional
Digital Literacy	- Load & save files on the network - Identify a range of ways to report concerns about content and contact. - Recognise acceptable/unacceptable behaviour. - Identify where to go for help when they have concerns about content or contact on the Internet or other online technologies.	- Know a range of reporting methods for unacceptable online behaviour. - Know how to report concerns about unacceptable online behaviour. - Save, load & organise files on the network.	Understand a range of ways to use technology securely.	- Recognise inappropriate content, contact and conduct. - Use search technologies effectively.
Computer Science	- Understand what algorithms are. - Identify inputs & outputs in a visual language. - Know how numbers can be represented in binary. - Know the hardware & software components that make up computer systems. - Understand that programs execute by following precise and unambiguous instructions	- Use logical reasoning to predict the behaviour of simple programs. - Use sequence in a visual language. - Create a simple program in a textual language. - Use simple Boolean logic (eg advanced search) - Convert binary to denary and back. - Identify the hardware & software components that make up computer	- Use logical reasoning to detect and correct errors in algorithms - Use selection in a visual language. - Use input & output in a textual language. - Understand simple Boolean logic - Be able to carry out simple operations on binary numbers. - Understand the hardware & software components that make up computer systems.	- Understand several key algorithms that reflect computational thinking. - Design & create simple programs that accomplish specific goals in a visual language. - Use selection in programs in a textual language. - Use computational abstractions. - Understand uses of Boolean logic in programming. - Understand how computer systems components communicate with one another. - Model a complex real world system with feedback.

		• systems. Model a simple real world system with outputs. • Understand that algorithms are implemented as programs on digital devices. Use various forms of input & output in a visual language. • Appreciate how search results are selected. • Debug simple programs in a visual language	• Model a simple real world system with inputs & outputs. • Use logical reasoning to explain how some simple algorithms work. • Debug programs that accomplish specific goals in a visual language. • Debug simple programs in a textual language. • Understand how text, images & sound can be represented digitally in the form of binary numbers. • Understand computer networks including the Internet. • Use variables in a visual language. • Understand how computer systems communicate with other systems.	• Solve problems by decomposing them into smaller parts in a visual language. • Work with variables and data types in a textual language.
ICT	• Collect data. • Use software to accomplish given goals.	• Present data and information. • Combine software to accomplish given goals • Reuse digital artefacts for a given audience.	• Analyse data and information. • Select and combine a variety of software to accomplish given goals. • Revise digital artefacts for a given purpose. • Attend to the design of digital artefacts.	• Evaluate data and information. • Create digital artefacts for a given audience. • Attend to usability of digital artefacts.

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