

Year 7 ICT and Computing Progress Criteria 2015

	Emerging	Expected	Exceeding	Excellence
Digital Literacy	Load & save files on the network Recognise acceptable/unacceptable behaviour Identify a range of ways to report concerns about content and contact 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. Know how to report concerns. 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 Understand that programs execute by following precise and unambiguous instructions Identify inputs & outputs in a visual language Know how numbers can be represented in binary Understand what algorithms are Understand that programs execute by following precise and unambiguous instructions Know the hardware & software components that make up computer systems	Use logical reasoning to predict the behaviour of simple programs. Understand that algorithms are implemented as programs on digital devices. Understand that programs execute by following precise and unambiguous instructions. Use sequence in a visual language. Use various forms of input & output in a visual language. Debug simple programs 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. Understand that algorithms are implemented as programs on digital devices. Use logical reasoning to predict the behaviour of simple programs. Appreciate how search results	Use logical reasoning to detect and correct errors in algorithms Use logical reasoning to explain how some simple algorithms work Use selection in a visual language Debug programs that accomplish specific goals in a visual language Use variables in a visual language Use input & output in a textual language Debug simple programs in a textual language Understand simple Boolean logic Be able to carry out simple operations on binary numbers Understand how text, images & sound can be represented digitally in the form of binary numbers Use logical reasoning to detect and correct errors in algorithms Use logical reasoning to explain how some simple algorithms work Understand the hardware & software components that make up computer systems Understand computer networks including the Internet Understand how computer	Understand several key algorithms that reflect computational thinking Design & create simple programs that accomplish specific goals in a visual language Solve problems by decomposing them into smaller parts in a visual language Use selection in programs in a textual language Work with variables and data types in a textual language Use computational abstractions Understand uses of Boolean logic in programming Understand several key algorithms that reflect computational thinking Understand how computer systems components communicate with one another Model a complex real world system with feedback

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		<p>are selected. Identify the hardware & software components that make up computer systems. Model a simple real world system with outputs.</p>	<p>systems communicate with other systems Model a simple real world system with inputs & outputs</p>	
<p>Information Technology</p>	<p>Collect data Use software to accomplish given goals</p>	<p>Present data and information. Combine software to accomplish given goals. Reuse digital artefacts for a given audience.</p>	<p>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</p>	<p>Evaluate data and information Create digital artefacts for a given audience Attend to usability of digital artefacts</p>