

Assessment area	Developing	Secure	Excellent
<p>COMPUTER SCIENCE</p>	<ul style="list-style-type: none"> • Solve problems by decomposing them into smaller parts. • Use selection in programs. • Work with variables. • Use logical reasoning to explain how some simple algorithms work. • Use logical reasoning to detect and correct errors in algorithms. • Understand computer networks including the internet. • Appreciate how search results are ranked. 	<ul style="list-style-type: none"> • Use computational abstractions • Model state of real world problems. • Use a programming language to solve computational problems. • Understand simple Boolean logic. • Understand how numbers can be represented in binary. • Understand the hardware components that make up computer systems. • Understand how text can be represented digitally in the form of binary digits. • Understand how pictures can be represented digitally in the form of binary digits. 	<ul style="list-style-type: none"> • Evaluate computational abstractions. • Model state of physical systems. • Model behaviour of real world problems. • Understand several key algorithms that reflect computational thinking. • Use at least one additional programming language (that must be textual) to solve computational problems. • Make use of appropriate data structures. • Design modular programs that use procedures or functions. • Understand uses of Boolean logic in programming. • Be able to carry out simple operations on binary numbers. • Understand the software components that make up computer systems. • Understand how instructions are stored by computer systems. • Understand how text can be manipulated digitally in the form of binary digits. • Understand how sounds can be represented digitally in the form of binary digits. • Understand how pictures can be manipulated digitally in the form of binary digits.

INFORMATION TECHNOLOGY	<ul style="list-style-type: none"> • Combine a variety of software to accomplish given goals. • Select use and combine software on a range of digital devices. • Analyse data. • Evaluate data. • Design and create systems. 	<ul style="list-style-type: none"> • Undertake creative projects with challenging goals. • Use multiple applications. • [Work with] applications across a range of devices • Collect data. 	<ul style="list-style-type: none"> • Combine multiple applications to achieve challenging goals. • Analyse data. • Meet the needs of known users.
DIGITAL LITERACY	<ul style="list-style-type: none"> • Understand the opportunities computer networks offer for collaboration. • Be discerning in evaluating digital content. 	<ul style="list-style-type: none"> • Understand a range of ways to use technology respectfully. • Recognise inappropriate content. • Recognise inappropriate contact. • Recognise inappropriate conduct. • Know how to report concerns. • Reuse digital artefacts for a given audience. • Attend to usability of digital artefacts. • Understand a range of ways to use technology safely. 	<ul style="list-style-type: none"> • Revise digital artefacts for a given audience. • Attend to trustworthiness of digital artefacts. • Protect online identity. • Protect privacy.