Wellington School	-	cessible and engaging way, building res	e to use the IT facilities available to learn silience and being able to solve problems ces.	
Computing	<ul> <li>Threshold Concepts</li> <li>Accessing resources from different locations and being able to share their work with the teacher and others.</li> <li>In programming, understand sequence, selection and iteration.</li> <li>Never calculate something manually when using a spreadsheet. Keep variables and formulas separate.</li> </ul>			
Year 7	Digital Literacy (Sep to Nov)	Programming (Nov to Feb)	Spreadsheets (Feb to Apr)	Cybersecurity (May to July)
Knowledge (facts, information, concepts and key terminology)	<ul> <li>Features of a secure password.</li> <li>Understand how files are organised in a hierarchical structure and how to manage files: using and create hierarchical structures and using naming conventions.</li> <li>Understand that there are different levels of access (read/write).</li> </ul>	<ul> <li>Instructions are in order (sequence)</li> <li>Programs can follow different paths (selection)</li> <li>Instructions can be repeated (iteration)</li> </ul>	<ul> <li>Data values should be atomic in a spreadsheet.</li> <li>Formulas should be used for any calculation.</li> <li>Basic operators used in formulas (/, *, -, +)</li> <li>BODMAS applies in formulas.</li> </ul>	<ul> <li>Definitions of:         <ul> <li>Social engineering and techniques: phishing, blagging and shouldering.</li> <li>Malware and categories: virus, trojan and worm.</li> <li>Good practice when creating presentations.</li> <li>Select a strong password.</li> </ul> </li> </ul>
Understanding (ability to connect and synthesise knowledge within a context)	Create appropriate digital artefacts that can be imported into other files.	Combine different instructions to form a program.	Organising data for processing.	Give advice about protecting accounts and avoiding malware.
Skills (successful application of knowledge and understanding to a specific task)	<ul> <li>Accessing work from common places: Teams and shared area.</li> <li>Sharing work by saving in suitable locations and granting access to it.</li> <li>Create a word-processed document, applying text formatting features.</li> <li>Create a presentation applying good design principles.</li> <li>Be able to communicate using the school email</li> </ul>	Write programs with some support containing sequence, selection and iteration.	<ul> <li>Complete spreadsheet templates by adding in formulas.</li> <li>Manipulating variables and reading the results of the formulas.</li> <li>Creating suitable charts from data.</li> </ul>	<ul> <li>Create a presentation using good practice: consistent and professional appearance, balance of text and graphics, concise text.</li> <li>Write a phishing email.</li> </ul>
Formal Assessments (those done by all/vast majority of the cohort)	N/a  nts on course for at least a grade 5 will	Multiple-choice test at the end of the unit.	Multiple-choice test at the end of the unit.	Multiple-choice test at the end of the unit.

By the end of the year students on course for at least a grade 5 will...

• Write programs with some support using variables, sequence, selection and iteration.

- Be able to describe techniques used to hack into accounts and devices and how to prevent this from happening.
- Apply simple formulas on a spreadsheet.