

Sequence	Topic title	Outline of Main Content / Objectives	Assessment(s) formative and summative (indicative)	Links to GCSE
Y7 – Unit 1  10 lessons	Introduction to ICT and E-safety	<ul style="list-style-type: none"> <li>Explain a range of ways to use technology safely, respectfully, responsibly and securely.</li> <li>Discuss the impact of protecting their online identity and privacy</li> <li>Recognise inappropriate content, contact and conduct and know how to report concerns.</li> </ul>	<p>Social networks PowerPoint (S, F)</p> <p>Sexting Passwords and Spam assessment (S, F)</p> <p>Several pieces of work are self and peer assessed (F)</p>	<p>ICT R001.4.2 – How moral and ethical issues affect business computer users.</p> <p>ICT R001.4.3 – The implications and consequences for organisations of data loss, corruption and theft.</p> <p>ICT R001.4.4 – The main threats to data security and how to deal with them.</p> <p>ICT R002.5.3 – creating promotional materials.</p>
Y7 – Unit 2  9 lessons	Programming with BBC micro:bits	<ul style="list-style-type: none"> <li>Use ‘Block editor’ to design and code micro:bits.</li> <li>Explain different types of software commands</li> <li>Become familiar with the project life cycle in software development</li> </ul>	<p>Basic codes – first steps (S)</p> <p>Game challenge – design and build (F, S)</p> <p>Several pieces of work are self and peer assessed (F)</p>	<p>C. Science 2.1.1 – Computational thinking</p> <p>C. Science 2.1.4 – How to produce algorithms</p> <p>C. Science 3.4.1 – Develop a solution to the identified problem using a suitable programming language</p> <p>C. Science 3.4.7 – Show an understanding of the relevant information by presenting evidence of the development of their solutions</p>
Y7 – Unit 3  6 lessons	Computers and Cryptography	<ul style="list-style-type: none"> <li>Explore the first electronic computer and identify the changes in computers over time</li> <li>Describe core parts of a computer and their functions.</li> <li>Explore and practise ancient and modern forms data encryption.</li> </ul>	<p>Computer Development poster/factsheet (F)</p> <p>Parts of a Computer test (S)</p> <p>Several pieces of work are self and peer assessed (F)</p>	<p>C. Science 1.1 – Systems architecture</p> <p>C. Science 1.6 – System security</p> <p>ICT R001.1 – Features and purposes of computing devices</p>
Y7 – Unit 4  8 lessons	Animation and Graphics Design	<ul style="list-style-type: none"> <li>Explore how Photoshop is used to manipulate and create images</li> <li>Use storyboards to design an animation sequence</li> <li>Develop skills to create and evaluate animations</li> </ul>	<p>Airbrush a range of images (F)</p> <p>Flowchart designs (S)</p> <p>Created animations (F, S)</p> <p>Several pieces of work are self and peer assessed (F)</p>	<p>ICT R005. 2 – Interactive products containing multimedia components</p> <p>ICT R006. 2 – Create digital images</p> <p>C. Science 2.1.1 – Computational thinking</p> <p>C. Science 2.1.4 – How to produce algorithms</p>

				<p>C. Science 3.4.1 – Develop a solution to the identified problem using a suitable programming language</p> <p>C. Science 3.4.7 – Show an understanding of the relevant information by presenting evidence of the development of their solutions</p>
<p>Y7 – Unit 5</p> <p>7 lessons</p>	<p>Spreadsheets</p>	<ul style="list-style-type: none"> <li>• Develop skills to create and format Spreadsheets</li> <li>• Explore the use of Formulas in numerical models</li> <li>• Use suitable graphs to visually represent data</li> </ul>	<p>Test your Formula skills (F)</p> <p>Modelling – Formatting and graphs (S)</p> <p>Several pieces of work are self and peer assessed (F)</p>	<p>ICT R002.6 – Manipulating supplier data</p> <p>ICT R003 – Using Spreadsheets to handle data</p>