



### Subject: Information technology

In a world where Information Technology is constantly changing, individuals increasingly need technological and information literacy skills that include the ability to gather, process and manipulate data. The impact of IT on society is enormous and as the percentage of businesses and households connected to communication networks such as the internet grows, so does the need for individuals who understand these new technologies.

The syllabus encourages learners to become effective and discerning users of IT. It helps them to develop a broad range of IT skills, knowledge and understanding. Learners study the structure and use of IT systems within a wide range of organisations, including the use of a variety of computer networks. As a result, learners gain an understanding of IT system life cycles, and how these affect the workplace. They also learn about the wider impact of IT on society in general. At A Level, learners also study simple programming for the web relevant to their own use of IT.

Year group	Term 1 (Aug – Oct)	Term 2 (Oct – Dec)	Term 3 (Jan – Mar)	Term 4 (Mar – Jun)
<b>AS Level Year 12</b>	<ul style="list-style-type: none"> <li>Data, information, knowledge and processing</li> <li>Hardware and software</li> <li>Monitoring and control</li> </ul>	<ul style="list-style-type: none"> <li>eSafety and health and safety</li> <li>The digital divide</li> <li>Using networks</li> <li>Sound and video editing</li> </ul>	<ul style="list-style-type: none"> <li>Expert systems</li> <li>Spreadsheets</li> </ul>	<ul style="list-style-type: none"> <li>Database and file concepts</li> <li>Exam revision and technique</li> </ul>
<b>A Level Year 13</b>	<ul style="list-style-type: none"> <li>Emerging technologies</li> <li>Programming for the web</li> <li>Role and impact of IT in society</li> </ul>	<ul style="list-style-type: none"> <li>Systems life cycle</li> <li>Graphics creation</li> <li>Animation</li> </ul>	<ul style="list-style-type: none"> <li>Networks</li> <li>Project management</li> <li>Mail merge</li> </ul>	<ul style="list-style-type: none"> <li>Exam revision and technique</li> </ul>