

## KS5 A' Level ICT Curriculum

Exam Board Link: <http://www.wjec.co.uk/qualifications/ict/information-and-communication-technology-gce-a-as/>

Unit	Description
<p><b>IT1 Information Systems</b></p>	<p>This unit is about acquiring knowledge and understanding of information systems, including the difference between data, information and knowledge, validation and verification, CAD/CAM, Health and Safety, Social issues etc.</p> <p>Assessment - assessed by means of a two and a quarter hours' written examination. The written paper consists of two sections, A and B, presented in a question and answer booklet. It is out of 80 marks.</p> <p>Students will be required to prepare a spreadsheet on a specific topic, defined by WJEC, in advance of the written paper. Hard copies of the spreadsheet are taken into the examination and used to answer questions in Section B. This spreadsheet is submitted with the completed examination paper.</p>
<p><b>IT2 Presenting Information</b></p>	<p>This unit requires candidates to use ICT hardware and software applications to solve a problem involving three separate tasks</p> <ul style="list-style-type: none"> <li>(i) a document such as a leaflet or magazine.</li> <li>(ii) (ii) a document containing automated routines, such as a mail merged letter.</li> <li>(iii) (iii) a presentation to an audience, such as a web page or slide type show.</li> </ul> <p>Assessment – assessed as coursework out of 80 marks.</p>
<p><b>IT3 Use and Impact of ICT</b></p>	<p>This section is about the use and impact of Information and Communication Technology. It includes topics such as networking, software, the Internet, HCI, ICT Security etc.</p> <p>Assessment – This is a written paper with two sections, A and B, presented as a question paper requiring a separate answer booklet. The paper is designed to assess breadth and depth of knowledge of the IT3 specification content shown on pages 22 to 30 and will include some questions of a synoptic nature. The paper is marked out of 100.</p>

**IT4  
Relational  
Databases**

Candidates are required to use ICT hardware and relational database software to solve a realistic problem of their choosing. In doing so they are required to produce a clear set of user requirements, develop a design specification, implement and test the database, produce user documentation and show evidence of managing their work effectively.

This project should represent about 50 hours of supervised time. At A Level, candidates are expected to demonstrate a greater depth to their ICT skills, an increased emphasis on the commercial aspects of ICT systems and an increased sensitivity to the wider effects of their work. This is a substantial piece of work, undertaken over an extended period of time. Quality of written communication is assessed in this unit.

Assessment –  
Assessed as coursework out of 100 marks.