
ICT

Year 10

Topics studied:

Students will spend much of the autumn, spring and summer terms completing Unit 2. This is a controlled assessment which requires students to produce a portfolio of work which shows them obtaining and interpreting different types of information, using, developing and communicating information to meet the purpose of their studies and presenting the results of their work. This assignment will assess the practical aspects of the functional elements of ICT.

Alongside Unit 2, students will also prepare for their Unit 1 examination, understanding ICT within a home and school context.

Examination Board:

WJEC

Year 10 students follow the legacy WJEC GCSE in Information and Communication Technology specification. This course uses the A* to G grading structure.

Assessment Structure:

Unit 1 – Understanding ICT (20%) 1 hr 30 mins examination

Unit 2 – Solving Problems with ICT (30%) controlled assessment

Unit 3 – ICT in Organisations (20%) 1 hr 30 mins examination

Unit 4 – Developing Multimedia ICT Solutions (30%) controlled assessment

Keywords that students should know, and be able to spell, by the end of Year 10:

Barcode reader, Biometrics, Command line, Computer-assisted translation, CPU, Digital projectors, Embedded systems, Expert systems, Flash memory devices, Format checks, Graphical User Interfaces, Hard disks, Hubs, Human-machine, Interfaces, Internal/main memory, Magnetic tape drives, Mainframe computers, Multimedia, Network interface cards, Optical Mark Recognition, Optical storage devices, Parity checks, Personal computers, Presence checks, Range checks, Relational databases, RFID tags, Routers, Sensors, Software systems, Specialist keyboards, Super computers, Touch pad, Type checks, Voice recognition

Subject specific websites to support revision and independent learning:

<http://www.teach-ict.com/>

<http://www.bbc.co.uk/education/subjects/zqmtsbk>



Recommended subject guides:

- WJEC ICT for GCSE, Student Book, by Peter Vickers. ISBN: 1444109588
- Essential ICT GCSE: Student's Book for WJEC, By Stephen Doyle. ISBN: 1850085412
- My Revision Notes: WJEC ICT for GCSE, by Ian Paget. ISBN: 1444148990

To help your child in GCSE Computing this year you can:

- support them in learning how to spell the keywords above
- ask them to explain the keywords above by reflecting on their lessons
- encourage them to access the above subject specific websites and to undertake further reading on the topics covered and complete the tests/quizzes
- encourage them to produce cue cards on each topic area and use them to revise and test their key knowledge
- encourage them to practise past examination papers found on the WJEC website
- encourage them to attend extra provision sessions held at lunchtime to work on their controlled assessment

Additional Information:

Students spend much of Year 10 completing the Unit 2 controlled assessment

Students will be set homework tasks each half-term. They will also be assessed after each task of their controlled assessment has been completed.

