

ICT

Year 9

Topics studied:

Students learn about the basics of current and emerging technologies and their impact on individuals, organisations and society

In the autumn term, students will look at the hardware and software used in ICT. In the spring term, students learn about networks and keeping data safe and secure. In the summer term, students investigate the legal, social, ethical and environmental impact of ICT and study the topic of databases.

Examination Board:

TBC

Assessment Structure:

TBC

Keywords that students should know, and be able to spell, by the end of Year 9:

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:

- TBC

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



Additional Information:

Students will be set homework tasks each half-term and will complete a milestone assessment after each topic area.

