



Information Technology and Communication

Why study Information Technology and Communication?

Whatever career you pursue in the future, ICT skills and concepts will be beneficial or even essential. This course aims to make you a competent and confident user of ICT with an understanding of the uses and impact of computers in society today.

Entry requirements

A grade C in GCSE ICT will ensure a place on the course however if you have not followed the GCSE course then please see the Head of Department or Head of Sixth Form to discuss this.

Course details and assessment format

AS

IT1: Information Systems (Written Examination – 2 hrs 15 mins) [24%]

IT1 includes topics such as: Data, Information and Knowledge; Value and importance of information; Quality of information; Validation and verification; Capabilities and limitations of ICT; Uses of ICT: Business, Education, Health, Home, Robotics, Internet of Things; Presenting Information; Networks; Human Computer Interface; Social issues; Database systems

Candidates will also 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 will be submitted with the completed examination paper to the examiner.

IT2: Presenting Information (Internal Assessment) [16%]

Candidates undertake 3 tasks within this unit, including DTP, automated documents and multimedia tasks.

A Level (the above plus a further 2 units)

IT3: Use and Impact of ICT

(Written Examination – 2 hrs 30 mins) [36%]

IT3 includes topics such as: Computer Networks, The Internet (Information Sharing, Cloud Computing, E-Commerce, Moral, Social and Ethical Issues associated with the Internet); Human Computer Interface; Working with ICT; ICT Security Policies; Data and the importance of information; Relational Database systems; Management of Change; Management Information Systems; System Development Lifecycle.

IT4: Relational Database Project (Relational Database Project) [24%]

Candidates analyse, design, implement, test and evaluate a relational database of their choice.

Skills which are developed and possible progression:

ITC skills will be essential for the majority of jobs.

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|--------------------------|------------------------------------|
| ■ Database Administrator | ■ Designer/Web Developer/Webmaster |
| ■ IT Support Technician | ■ Computer Games Developer |
| ■ Help Desk Operator | ■ Software Developer |
| ■ Journalist | ■ Network Engineer |
| ■ Media Researcher | ■ Systems Analyst |
| ■ Data Recording Jobs | ■ Network manager |
| ■ IT Trainer/Teacher | ■ Drone Pilot |
| ■ Network/cyber security | ■ Social Media Manager |



"I've enjoyed improving on my digital skills whilst studying this subject. The skills I've learned studying this subject are skills that will help me in the future, especially in university. The theory aspect of the course was also interesting, learning about a range of different subjects within technology intrigued me as now I'm intrigued to see how technology will develop in the future"

Elliw Rowlands

