

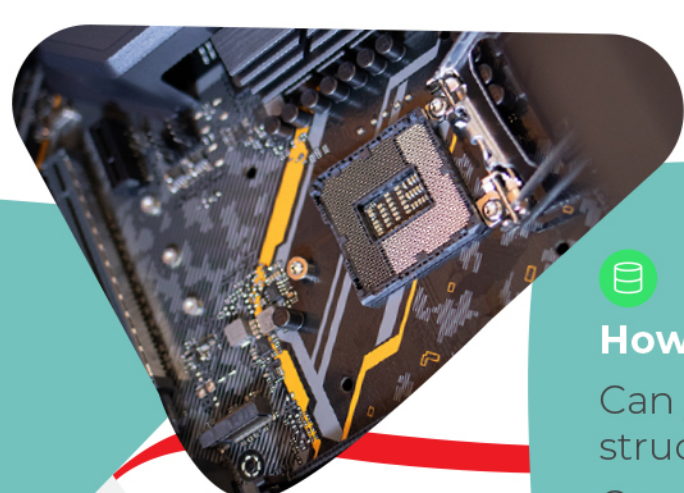
ICT KS5



What is the purpose and structure of relational database management systems?

Do you know and can you explain the key terms associated with database structure?

Relational algebra sets, database relations, relational keys, integrity constraints and entity relationships?



How do you create a relational database?

Can you create a relational database structure?
Can you manipulate data structures and data in a relational database?
Can you update, delete, and insert data?
Can you retrieve, query and extract reports?



YR12



How are digital devices categorised?

Can you identify input, output and storage devices?

Can you describe the functions of digital devices for education & training, personal, social, retail, organisational and creative usage?

Do you know the different types of operating systems and can you describe their role in managing networking, security and device drivers?

How do you ensure a relational database is fit for purpose?

Can you test a relational database and make changes as required to ensure it is fit for purpose?

Can you evaluate the effectiveness of the design and implementation of a relational database?



What are emerging technologies?

Can you identify emerging technologies?

Can you explain the concepts and implications of how emerging technologies affect the performance of IT systems?

Can you identify the implications of emerging technologies on personal use and use within organisations?



What is meant by transmission of data?

Can you describe the concepts, process, and implications of transferring data within and between IT systems?

Can you identify features of different connection types?



What is a network?

Can you describe the concepts and implications for individuals and organisation of connecting devices to form a network?

Can you explain the features, use and purpose of a PAN, LAN, WAN, VPN?

Can you select a suitable network based on your knowledge of factors that may affect choices?



What are the implications for individuals and organisations of using online IT systems?

Can you describe the features, impact and implications on the use of IT systems to store data and perform tasks?

Can you explain the concept of cloud storage and computing and identify the impact and implications for individuals and organisations?

Can you appreciate the factors affecting the use and selection of online systems such as security, cost, ease of use, features and connectivity?



What are the characteristics and implications of user interfaces for data collection and processing systems?

Can you explain how businesses might collect and store data?

Do you understand the uses, processes and implications for individuals and organisations of accessing and using data stored in digital form?

Are you aware of the legislation that governs the collection and storage of digital data?



What are the issues and implications of storing and transmitting information in digital form?

Can you identify potential security issues with the storing and transmitting of data?

Can you appreciate the impact to data, information and systems on individuals and organisations?



What are the moral and ethical issues of using information technology?

Can you identify the implications for individuals, organisations and wider society of moral and ethical factors of using information technology?

What are the legal issues and are you familiar with the legislation relating to the use of IT systems?



YR13

What is the impact of social media on the ways in which businesses promote their products and services?

Can you suggest appropriate social media websites for a business purpose?

Can you evaluate the risks and issues surrounding social media for a business?

Why are the elements of a planned social media promotional campaign to meet the business requirements?

Can you assess the business requirements for a social media promotional campaign?

Can you plan and publish relevant content?

Can you develop an online community using your campaign?

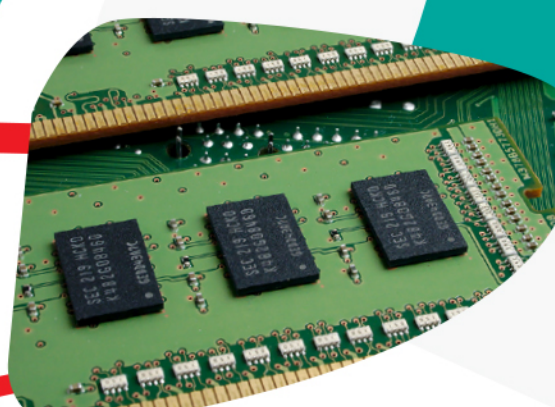


How can the impact of social media for a business be measured and evaluated?

Can you create original and relevant contents for a social media business promotion?

Can you gather data and analyse the impact of the promotional campaign?

Can you evaluate the plan, process, and implementation of the social media promotional campaign?



Exam preparation

- How can I make sure I am revising effectively for this subject?
- How do I memorise and recall knowledge I need for the exam?
- How do I maximise marks in this subject's exam?
- What are the gaps in my knowledge and how can I address them?
- How do I approach exam questions in this subject to ensure I reach the highest grade?
- What do I need to do to prepare myself for university courses?
- What do I need to do to prepare myself for employment?

