

# ICT KS4



## How does technology enable organisations to communicate and collaborate effectively?

What digital systems are available to organisations?  
How do digital systems impact on the way organisations operate?  
How do organisations use technologies to exchange information, communicate and complete work-related tasks?  
What are the security issues with open networks?  
What are the performance issues with ad hoc networks?  
What issues affect network availability?  
Why do organisations use cloud storage?  
How are cloud and traditional systems used together?



**YR10**



## How do organisations respond to the challenges they face due to increased reliance on digital systems?

What cyber security issues do digital organisations face?  
What internal threats are there to digital systems and data security?  
What measures can be implemented to protect digital systems?  
What constitutes a good security policy?  
How do systems and services share and exchange data responsibly?  
What is the environmental impact of increased use of digital systems?  
How does regulation influence the way in which organisations operate?  
How has the blurring of social and business boundaries affected organisations?

**EXAM**



## What makes an effective user interface?

What is a user interface?  
What types of interface are there?  
What factors affect the choice of user interface?  
How do user needs affect the design of the interface?  
What design principles are used to design effective user interfaces?  
How do designers consider colours, fonts and layout?  
What techniques are used to improve both the speed and access to user interfaces?



**YR11**



## How do individuals and organisations use data?

What is data?  
How can information be represented?  
How is data collected reliably?  
How is data validated and verified so it is suitable for processing?  
What factors affect the quality of information?  
How do different organisations use data modelling?  
What threats are there to individuals who have data stored about them?



## How do modern technologies impact on the way organisations perform tasks and manage their teams?

How have developments in technology led to more inclusive and flexible working environments?  
How can teams collaborate and communicate effectively?  
What are the positive and negative impacts of modern technologies on the organisation's infrastructure?  
How do modern technologies impact on working styles and mental wellbeing?



## 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 Sixth Form courses?

## BRIDGING UNIT

### How is Social Media used in Business?

What are the range of digital applications used by businesses to promote using social media?  
What are the advantages and disadvantages of different user interfaces that businesses can choose?



**KS5**