

Digital Information Technology | BTEC Level 1 & 2

TEACHER RESPONSIBLE FOR COURSE: Mrs C. Barnes

What does the qualification cover?

The Award gives learners the opportunity to develop sector-specific knowledge and skills in a practical learning environment, including:

- development of key skills that prove their aptitude in digital information technology, such as project planning, designing and creating user interfaces, creating dashboards to present and interpret data
- processes that underpin effective ways of working, such as project planning, the iterative design process, cyber security, virtual teams, legal and ethical codes of conduct
- knowledge that underpins effective use of skills, processes and attitudes in the sector, such as how different user interfaces meet user needs, how organisations collect and use data to make decisions, virtual workplaces, cyber security and legal and ethical issues.

It gives learners the opportunity to apply knowledge and skills practically through project work, such as planning and designing a user interface and developing a dashboard to interpret trends in data.

About recognition as Department for Education technical awards

The BTEC Tech Award suite has been designed to meet the Department of Education (DfE) requirements for qualifications to be offered as technical awards 14-16 year olds. The DfE has set out characteristics for technical awards through which vocational qualifications can be recognised as part of performance measures in the open category of Progress 8.

To be recognised as technical awards, it is expected that qualifications will focus on developing sector-specific knowledge and technical skills in a practical learning environment.

It is also expected that the qualifications form part of a Key Stage 4 learning programme that enable both academic and vocational progression.

About the digital sector

The digital sector is a major source of employment in the UK, with 1.46 million people working in digital companies and around 45,000 digital jobs advertised at any one time. Digital skills span all industries; almost all jobs in the UK today require employees to have a good level of digital literacy.

The UK has positioned itself to be the 'digital capital of Europe' as it continues to invest billions every year in digital skills and commerce.

METHOD OF ASSESSMENT

Component 1 – Exploring User Interface Design Principles and Project Planning Techniques (Internally assessed project)

Component 2 – Collecting, Presenting and Interpreting Data (Internally assessed project)

Component 3 – Effective Digital Working Practices (Externally assessed exam)

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COMPONENTS

Component 1 – Exploring User Interface Design Principles and Project Planning Techniques

- Learning Aim A – Investigate user interface design for individuals and organisations
- Learning Aim B – Use project planning techniques to plan and design a user interface
- Learning AIM C – Develop and review a user interface

Component 2 – Collecting, Presenting and Interpreting Data

- Learning Aim A – Investigate the role and impact of using data on individuals and organisations
- Learning Aim B – Create a dashboard using data manipulation tools
- Learning Aim C – Draw conclusions and review data presentation methods

Component 3 – Effective Digital Working Practices

- Learning Aim A – Modern technologies and their impact on organisations
- Learning Aim B – Threats to digital systems and how an organisation can manage them
- Learning Aim C – Responsible, legal and ethical use of data
- Learning Aim D – Planning and communication in digital systems