KS4 BTEC Digital Information Technology

BTEC L1/2 Tech Award in Digital Information Technology

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Who is the qualification for?
This qualification is for learners who want to acquire technical knowledge and technical skills through vocational contexts by studying the knowledge, understanding and skills related to data management, data interpretation, data presentation and data protection as part of their Key Stage 4 learning. The qualification recognises the value of learning skills, knowledge and vocational attributes to complement GCSEs. The qualification will broaden the learners experience and understanding of the varied progression options available to them.

What does the qualification cover?
The Award gives learners the opportunity to develop sector-specific knowledge and skills in a practical learning environment. The main focus is on four areas of equal importance, which cover the:

• development of key skills that prove your aptitude in digital information technology, such as project planning, designing and creating user interfaces, creating dashboards to present and interpret data
• process that underpins effective ways of working in digital information technology, such as project planning, the iterative design process, cyber security, virtual teams, legal and ethical codes of conduct
• attitudes that are considered most important in digital information technology, including personal management and communication
• knowledge that underpins effective use of skills, process 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.

This Award complements the learning in GCSE programmes such as GCSE in Computer Science by broadening experience and skills participation in different type of performance activities with the opportunity to practically apply your knowledge and skills, through project work such as developing ideas and performing for specific audiences.

What can the qualification lead to?

Study of the qualification as part of Key Stage 4 learning will help learners to make more informed choices for further learning, either generally or in this sector. The choices that learners can make post-16 will depend on their overall level of attainment and their performance in the qualification.

Learners who generally achieve at Level 2 across their Key Stage 4 learning might consider progression to:

• A Levels as preparation for entry to higher education in a range of subjects

• study of a vocational qualification at Level 3, such as a BTEC National in IT, which prepares learners to enter employment or apprenticeships, or to move on to higher education by studying a degree in the digital sector.

Units you will study and skills you will learn include:
Component 1: Exploring User Interface Design Principles and Project Planning Techniques
Component 2: Collecting, Presenting and Interpreting Data
Component 3: Effective Digital Working Practices

Components 1 & 2 are assessed through controlled internal aseessments completed during lesson time under supervision. The internal assessments are worth 60% of the overall qualifcation

Component 3 is an external examination worth 40% of the overall qualification

Internal Controlled Assessments

Each task will have a final deadline set by the individual class teacher. Students' work will be assessed by their teacher and then sent to the exam board

Homework

Students will be set either paper based or online homework each week by their Computer Science teachers to enhance their learning and progression.

Other useful information

- Computer Science Catch-up club
- All teaching and homework resources will be made available on Google Classroom and is accessible from home
- Students are encouraged to attend lunch time/after school support classes to ensure they keep up to date with their coursework for this BTEC qualification.