

## What are the aims and intentions of this curriculum?

The BTEC Award in Digital Information Technology gives learners the opportunity to develop sector-specific knowledge and skills in a practical learning environment. The main focus is on the development of key skills that enables students to prove their aptitude in digital information technology in areas such as project planning, designing and creating user interfaces and creating dashboards to present and interpret data. Students also learn effective ways of working in digital information technology, such as through project planning, learning the iterative design process, understanding the importance of effective cyber security and learning the legal and ethical codes of conduct which would apply. Students are encouraged to consider other important factors in the effective use of digital information technology, including the importance of personal management and communication. Students learn knowledge that underpins effective use of skills, process and attitudes in the digital IT sector such as how different user interfaces meet user needs, how organisations collect and use data to make decisions, how virtual workplaces work, cyber security issues and legal and ethical issues.

Term	Topics	Knowledge and key terms	Skills developed	Assessment
Summer 2	Collecting, Presenting and Interpreting Data	Learners will investigate the role and impact of using data on individuals and organisations. Learners will create effective dashboards using appropriate data manipulation tools. Learners are able to draw conclusions and review data presentation methods.	Mock assessment task on collecting, analysing data and presenting data.	Mock assessment task on collecting, analysing and presenting data.
Autumn 1	Collecting, Presenting and Interpreting Data	Learners will investigate the role and impact of using data on individuals and organisations. Learners will create effective dashboards using appropriate data manipulation tools. Learners are able to draw conclusions and review data presentation methods.	Learning how to draw conclusions based on the effective analysis of data. How different presentation techniques affect understanding.	Internal assessment project for moderation.
Autumn 2	Effective digital working practices.	Learners can demonstrate knowledge of facts, terms, processes and issues in relation to digital information technology Learners can apply an understanding of facts, terms, processes and issues in relation to digital information technology Learners can analyse, evaluate and make reasoned judgements about the use, factors and implications influencing digital information technology. Learners can make connections with the concepts, issues, terms and processes in digital information technology.	Understand how and why modern technologies are used by organisations and stakeholders to access and manipulate data, and to provide access to systems and tools in order to complete tasks. Learners understand how modern technologies impact on the way organisations perform tasks.	Assessment test on why modern technologies are used by organisations and stakeholders.
Spring 1	Effective digital working practices.	Learners can demonstrate knowledge of facts, terms, processes and issues in relation to digital information technology Learners can apply an understanding of facts, terms, processes and issues in relation to digital information technology Learners can analyse, evaluate and make reasoned judgements about the use, factors and implications influencing digital information technology.	Learners should understand why systems are attacked, the nature of attacks and how they occur, and the potential impact of breaches in security on the organisation and stakeholders. Learners should understand how different measures can be implemented to protect digital	Assessment test on security policies and effective implementation.

		Learners can make connections with the concepts, issues, terms and processes in digital information technology.	systems. Learners should understand the need for and nature of security policies in organisations. They should understand the content that constitutes a good security policy and how it is communicated to individuals in an organisation.	
<b>Spring 2</b>	Effective digital working practices.	Learners can demonstrate knowledge of facts, terms, processes and issues in relation to digital information technology Learners can apply an understanding of facts, terms, processes and issues in relation to digital information technology Learners can analyse, evaluate and make reasoned judgements about the use, factors and implications influencing digital information technology. Learners can make connections with the concepts, issues, terms and processes in digital information technology.	Learners understand the wider implications of digital systems and their use. Learners understand how legislation covering data protection, computer crimes and intellectual property has an impact on the way that organisations and individuals use digital systems and data. Learners understand the procedures that organisations must follow in order to conform to legal requirements and professional guidelines.	Assessment test on legislation governing data protection.
<b>Summer 1</b>	Effective digital working practices.	Learners can demonstrate knowledge of facts, terms, processes and issues in relation to digital information technology Learners can apply an understanding of facts, terms, processes and issues in relation to digital information technology Learners can analyse, evaluate and make reasoned judgements about the use, factors and implications influencing digital information technology. Learners can make connections with the concepts, issues, terms and processes in digital information technology.	Learners consider the responsible use of digital systems, including how systems and services share and exchange data as well as the environmental considerations of increased use. Learners understand the scope and purpose of legislation that governs the use of digital systems and data, and how it has an impact on the ways in which organisations use and implement digital systems. Learners understand the wider ethical considerations of use of technologies, data and information, and organisations' responsibilities to ensure that they behave in an ethical manner. Learners understand how individuals in the digital sector plan solutions and communicate meaning and intention. They understand how different forms of written and diagrammatical communication can be used to express understanding and demonstrate the flow of data and information.	External assessment project for moderation.