INFORMATION TECHNOLOGY

Year 11

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.
- 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.
- Learn effective ways of working in digital information technology, such as through project planning, learning the iterative design process.
- Understand the importance of effective cyber security and learning the legal and ethical codes of conduct which would apply.
- Consider other important factors in the effective use of digital information technology, including the importance of personal management and communication.
- 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
Autumn 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 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.	• Group Presentations • Individual presentation • Case Studies • End of topic quiz • End of term test • Mock Exams • Home work • Class Discussions • Topic Worksheets • Past Paper question sheets

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.	• 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 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.	• Group Presentations • Individual presentation • Case Studies • End of topic quiz • End of term test • Mock Exams • Home work • Class Discussions • Topic Worksheets • Past Paper question sheets
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 can make connections with the concepts, issues, terms and processes in 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 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.	• Group Presentations • Individual presentation • Case Studies • End of topic quiz • End of term test • Mock Exams • Home work • Class Discussions • Topic Worksheets • Past Paper question sheets

Spring 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.	• 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.	• Group Presentations • Individual presentation • Case Studies • End of topic quiz • End of term test • Mock Exams • Home work • Class Discussions • Topic Worksheets • Past Paper question sheets
Summer 1	**BTEC Tech Award – Digital Information Technology - External examination Functional Skills Level 2 – External Examination**	BTEC Tech Award – Digital Information Technology - External examination Functional Skills Level 2 – External Examination	BTEC Tech Award – Digital Information Technology - External examination Functional Skills Level 2 – External Examination	BTEC Tech Award – Digital Information Technology - External examination Functional Skills Level 2 – External Examination
Summer 2	Signing off all Level 2 Work	Signing off all Level 2 Work	Signing off all Level 2 Work	Signing off all Level 2 Work