

BTEC and Vocational IT - Vision



INFORMATION TECHNOLOGY

»» Vision for Curriculum

To develop students to have the skills, knowledge and understanding of concepts that can be transferred into the real world, higher education, business and day to day IT management which is the bedrock of modern business operations.

»» Intent

Studying a BTEC in IT gives students the ability to understand a wide variety of real world use of IT including the dynamic changes and demands of users. Students will gain an understanding of what hardware & software is used, implemented and how any changes or modifications can impact all stakeholders involved. Practical assignments will provide some exposure to certain technical skills and will link well with those linked careers.

»» Implementation

Currently we offer students to study

- BTEC LEVEL 2 DIT KS4
- BTEC Level 3 IT Ext Cert KSS

Whilst completing these courses students will be involved in research, discuss, write reports, create presentations, practical work. There is scope for students to meet local businesses which may link with the topic they are studying. With all these varied activities they should be able to develop:

- **Strategic:** plan; be organised; use research
- **Social:** collaboration; asking questions; listening; working in teams; know when to work alone
- **Cognitive:** conceptualisation; ask questions; use evidence; make judgements
- **Emotional:** learn from mistakes; resilience; take risks

»» Impact

Our BTEC IT curriculum provides a stable foundation who want to continue their studies in Further Studies, apprenticeship or employment depending on the skills they have acquired in years they have been studying IT. Students are responsible for their own achievement and consolidating their practical, technical and theoretical knowledge/skills that would benefit them wherever they may end up in the future.



BTEC and Vocational IT - Road Map

Key Stage 4 Overview

	Year 10	Year 11		
Advent term	<p>Component 1: Exploring User Interface Design Principles and Project Planning Techniques</p> <p>PSA 1 Completion: Task 1 & 2 Preparation: W/C 16/09/2024 Task 1 & 2 Completion: 24/09/2024 (P3-P8) Task 3 & 4 Preparation: W/C 30/09/2024 Task 3 & 4 Completion: 10/10/2024 (P3-P8)</p> <p>PSA 1 Marks & Moderation Deadline: 15/12/2024</p>	<p>Component 2: Collecting, Presenting and Interpreting Data</p> <p>After PSA 1 Completion LOA: <ul style="list-style-type: none"> Characteristics of data Characteristics of information Representing information Sectors that use data modelling Data collection methods Data collection features Validation and verification methods </p>	<p>Component 1: Exploring User Interface Design Principles and Project Planning Techniques</p> <p>Recap: <ul style="list-style-type: none"> LOA, LOB & LOC <p>PSA 1 Completion: Task 1 & 2 Preparation: W/C 16/09/2024 Task 1 & 2 Completion: 24/09/2024 (P3-P8) Task 3 & 4 Preparation: W/C 30/09/2024 Task 3 & 4 Completion: 10/10/2024 (P3-P8)</p> </p>	<p>Component 3: Effective Digital Working Practices</p> <p>After PSA 1 Completion LOA: <ul style="list-style-type: none"> Communication technologies Features and use of cloud storage Features and uses of cloud computing How the selection of platforms and services impacts on the use of cloud technologies How cloud and 'traditional' systems are used together Implications for organisations when choosing cloud technologies </p>
Advent term	<p>LOA: <ul style="list-style-type: none"> Quality of information factors Threats to individuals </p> <p>PSA (Pearson Set Assignment) 2 - Task 1 Practice Preparation & Completion (3 weeks)</p>	<p>PSA 1 Marks & Moderation Deadline: 15/12/2024</p>	<p>LOA: <ul style="list-style-type: none"> Changes to modern teams facilitate by modern technologies How modern technologies can be used to manage modern teams How organisations use modern technologies to communicate with stakeholders How modern technologies aid inclusivity and accessibility Positive and negative impacts of modern technologies on organisations Positive and negative impacts of modern technologies on individuals </p> <p>LOB: <ul style="list-style-type: none"> Why systems are attacked External threats to digital systems and data security Why systems are attacked recap Internal threats to digital systems and data security Impact of security breach </p>	
Lent term	<p>LOB: <ul style="list-style-type: none"> Data manipulation methods Advanced manipulation methods Other processing methods </p> <p>PSA (Pearson Set Assignment) 2 - Task 2a & Task 2b Practice Preparation & Completion</p>	<p>PSA 1 Marks & Moderation Deadline: 15/12/2024</p>	<p>LOB: <ul style="list-style-type: none"> User access restriction Data level protection Finding weaknesses and improving system security Defining responsibilities and security parameters of security policies Disaster recovery policy and actions to take after an attack </p> <p>LOC: <ul style="list-style-type: none"> Responsible use of digital systems including shared data and environmental considerations </p>	
Lent term	<p>LOB: <ul style="list-style-type: none"> Showing data summaries for the data set Appropriate presentation methods Using appropriate presentation features </p> <p>PSA (Pearson Set Assignment) 2 - Task 2c Practice Preparation & Completion</p>	<p>PSA 1 Marks & Moderation Deadline: 15/12/2024</p>	<p>LOB: <ul style="list-style-type: none"> Importance of providing equal access to services and information Net neutrality and how it impacts on organisations The purpose and use of acceptable use policies Blurring of social and business boundaries Data protection principles and the use of data on the internet Dealing with intellectual property The criminal use of computer systems </p>	
Pentecost term	<p>LOC: <ul style="list-style-type: none"> Finding trends, patterns and possible errors </p> <p>PSA (Pearson Set Assignment) 2 - Task 3a Practice Preparation & Completion</p> <p>How presentation methods and features ensure that information is not misinterpreted, bias or inaccurate conclusions being made</p>	<p>PSA 1 Marks & Moderation Deadline: 15/12/2024</p>	<p>LOC: <ul style="list-style-type: none"> Understand how organisations use different forms of notation to explain systems, data and information Be able to interpret information presented using different forms of notation in a range of contexts Be able to present knowledge and understanding using different forms of notations </p> <p>Revision & Review</p>	
Pentecost term	<p>LOC: <ul style="list-style-type: none"> How presentation methods and features ensure that information is not misinterpreted, bias or inaccurate conclusions being made </p> <p>PSA (Pearson Set Assignment) 2 - Task 3b Practice Preparation & Completion</p> <p>Review & Reflection</p>	<p>PSA 1 Marks & Moderation Deadline: 15/12/2024</p>	<p>Revision & Review</p> <p>Exam Date: 01/05/2025 PM 1h 30m (/60)</p>	

