# Year 12 BTEC IT Level 3

| Autumn Term 1 | Autumn Term 2 | Spring term 1 | Spring term 2 | Summer term 1 | Summer term 2 |
|---|---|---|---|---|---|
| Approx: 7 Weeks | Approx: 7 weeks | Approx: 6 weeks | Approx: 6 weeks | Approx: 6 weeks | Approx: 7 weeks |
| **Unit 1: Information Technology Systems**<br>- Digital devices in IT systems<br>- Transmitting data<br>- Operating online<br>- Protecting data and information<br>- Impact of IT systems<br>- Issues<br><br>**Unit 6: Website Development**<br>Understand the principles of website development<br><br>**Unit 11: Cyber Security and Incident Management**<br>**EXAM UNIT**<br>AO1 Demonstrate knowledge and understanding of technical language, security threats, system vulnerabilities and security protection methods, and implications resulting from successful threats | **Unit 1: Information Technology Systems**<br>Review of all topics and exam practice<br><br>**Unit 2: Exploring Current and Emerging Technologies**<br>Database development terminology, standards, concepts and processes to create a software product to meet a client brief<br><br>**Unit 6: Website Development**<br>Factors affecting website performance.<br>Client requirements research.<br><br>**Unit 11: Cyber Security and Incident Management** AO2 Apply knowledge and understanding of security threats, system vulnerabilities and security protection methods and implications to risk assess systems and select appropriate tools to secure them | **Unit 1: Information Technology Systems**<br>Exam<br><br>**Unit 2: Creating Systems to Manage Information**<br>Analyse information about database problems and data from test results to optimise the performance of a database solution<br><br>**Unit 3: Using Social Media in Business**<br>Impact of social media on the ways in which businesses promote their products and services<br><br>**Unit 6: Website Development** Design a website to meet client requirements<br><br>**Unit 11: Cyber Security and Incident Management** AO3 Analyse forensic evidence data and information to identify security breaches and manage security incidents | **Unit 1: Set Up and Configure Technology Systems**<br>Finalise coursework<br><br>**Unit 2: Creating Systems to Manage Information**<br>Develop a database solution to meet a client brief with appropriate justification<br><br>**Unit 3: Using Social Media in Business**<br>Develop a plan to use social media in a business to meet requirements<br><br>**Unit 6: Website Development**<br>Develop a website to meet client requirements<br><br>**Unit 11: Cyber Security and Incident Management**<br>AO5 Be able to plan a secure computer network and manage security incidents with appropriate justification | **Unit 2: Creating Systems to Manage Information**<br>Exam<br><br>**Unit 3: Using Social Media in Business**<br>Implement the use of social media in a business.<br><br>**Unit 6: Website Development**<br>Develop a website to meet client requirements.<br>Website review.<br><br>**Unit 11: Cyber Security and Incident Management**<br>Exam | Preparation for Year 13<br><br>**Unit 14: IT Service Delivery**<br>AO5 Be able to design an IT service delivery solution for an organisation with appropriate justification |

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| **Unit 14: IT Service Delivery EXAM UNIT** AO1 Demonstrate knowledge and understanding of IT service-delivery related facts, terminology, standards, concepts and processes<br><br>**Unit 17: Digital 2D and 3D Graphics** Investigate the purpose and characteristics of digital graphics that are an important part of visual communications<br><br>**Unit 20: Enterprise in IT** Explore the nature of enterprise and entrepreneurship in an IT context | **Unit 14: IT Service Delivery** AO2 Information technologies and procedures to explore outcomes and find solutions to IT service delivery problems<br><br>**Unit 17: Digital 2D and 3D Graphics** 2D and 3D graphics practice<br><br>**Unit 20: Enterprise in IT** Develop a marketing plan for an IT product or service based on market research | AO4 protection methods and security documentation<br><br>**Unit 14: IT Service Delivery** AO3 Analyse data and information; recognise patterns, correlations and connections<br><br>**Unit 17: Digital 2D and 3D Graphics** Design 2D and 3D digital graphics products<br><br>**Unit 20: Enterprise in IT** Develop a marketing plan for an IT product or service based on market research | **Unit 14: IT Service Delivery** AO3 Solve IT service delivery problems and predict outcomes<br><br>**Unit 17: Digital 2D and 3D Graphics** Develop 2D and 3D digital graphics products to meet a client brief.<br><br>**Unit 20: Enterprise in IT** Present a plan for a start-up IT enterprise using lean or traditional business principles | **Unit 14: IT Service Delivery** AO4 Evaluate technologies, procedures, outcomes and solutions to make reasoned judgements and make decisions about IT service delivery<br><br>**Unit 17: Digital 2D and 3D Graphics** Develop 2D and 3D digital graphics products to meet a client brief.<br><br>**Unit 20: Enterprise in IT** Present a plan for a start-up IT enterprise using lean or | |

# Year 13 BTEC IT Level 3

| Autumn Term 1 | Autumn Term 2 | Spring term 1 | Spring term 2 | Summer term 1 | Summer term 2 |
|---|---|---|---|---|---|
| Approx: 7 Weeks | Approx: 7 weeks | Approx: 6 weeks | Approx: 6 weeks | Approx: 6 weeks | Approx: 7 weeks |
| **Unit 4: Programming** Computational thinking skills and principles of computer programming | **Unit 4:** Design a software solution to meet client requirements | **Unit 4:** Develop a software solution to meet client requirements. | **Unit 4:** Develop a software solution to meet client requirements. | **Unit 4: Programming** Finalise assignment | Study Leave |
| **Unit 5: Data Modelling** Investigate data modelling and how it can be used in the decision-making process | **Unit 5:** Design a data model to meet client requirements | **Unit 5:** Develop a data model to meet client requirements. | **Unit 5:** Develop a data model to meet client requirements. Evaluation. | **Unit 5: Data Modelling** Finalise assignment | |
| **Unit 7: Mobile Apps Development** Investigate mobile apps and mobile devices | **Unit 7:** Design a mobile app that utilises device functions | **Unit 7:** App Inventor Practice. Develop a mobile app that utilises device functions. | **Unit 7:** Develop a mobile app that utilises device functions. | **Unit 7: Mobile Apps Development** Evaluation. Finalise assignment | |
| **Unit 9: IT Project Management** Investigate the principles and methodologies of IT project management | **Unit 9:** Carry out a project initiation for an IT project | **Unit 9:** Carry out the planning, execution, monitoring and controlling of an IT project | **Unit 9:** Closure of a project by reflecting on the success of personal performance and the project outcome | **Unit 9: IT Project Management** Finalise assignment | |
| **Unit 21: Business Process Modelling Tools** Investigate the processes that organisations use to support their activities | **Unit 21:** Investigate the processes that organisations use to support their activities | **Unit 21:** Examine an organisation's business processes and activities to inform improvements | **Unit 21:** Develop a plan to improve an organisation's business processes and activities. | **Unit 21:** Finalise assignment | |