

# BTEC Level 3 Information Technology

YEAR 12

## UNIT 6: Website Development

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Introduction, outline and teaching. Principles of websites and design	Issue Assignment 1: focus on "P1 = Compare the principles of website design used in two websites, including their suitability for the intended audience and intended purpose". Introduce M1.	Hand in P1 Draft. Students to begin wrting M1 "Analyse how the principles of website design are used to produce creative, high performance websites which meet client requirements".	Hand in M1 Draft. Focus on D1: "Evaluate how the principles of website design are used to produced creative, high performance websites which meet client requirements"	Hand in Assignment 1. Introduce Assignment 2 and revisit design and Adobe skills needed to produce a website ready to begin assignment	P2 "Produce designs for a website that meet client requirements" and M2 "Justify the design decisions, explaining how they will meet the user's needs and be fit for purpose". Part of D2 to be completed here too.	Hand in P2 and M2. Meet with teacher to P3 "Review the website design proposals with others to identify and inform improvements". Begin P4 "Produce a website for an intended audience and purpose".	Complete P5 "Test the website for functionality, compatibility and usability" and P6 "Review the extent to which the website meets client requirements"	Explain how you have completed M3 "optimise a website to meet client requirements". Classwork around Distinction tasks and creating quality work.
Information technology Systems (Written Exam)			CHRISTMAS					
Week 13	Week 14	Week 15	Week 16	Week 17	Week 18	Week 19	Week 20	
Introduce Exam unit. Introduce K.I.A.N. Topics this week: Digital Devices, Use of digital devices and Input and Output	Topics: Storage Devices, Data Processing and Accessibility Devices	Topics: Types of operating systems, roles of operating systems, choice of user interfaces, and use of user interfaces		Topics: Operating system performance, Application software, Image and video types	Topics: Application file types, Emerging technologies, Factors effective choice of system, Wired and Wireless networks	Topics: types of netowrks, factors affecting choice of network, data transmisson protocols and security issues	Topics: Bandwidth, Latency and Compression, Using online systems, remote working, online communities	Topics: Threats, protecting data, protecting data tools, online services

YEAR 13

## UNIT 2: Creating systems to Manage Information

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9
Introducing Access. Basic terminology and skills: Tables, Fields and Records, Data types. Relational tables, Primary and Secondary Keys	Introducing Queries and Reports, and looking at database basic skills development (including maths operators)	Looking at scenarios from past papers and understanding ERD's.	Practicing creating ERD's with the correct structure, fixing Keys, datatypes and validation (Presence check, Dates, Lists, table lookups, range check)	Review Tasks 1 and 2 of exam, learn how to collect the evidence for marking. Develop Query skills.	Work through a past paper task (part A). Discuss how to complete testing and show evidence (inc. Normal, Extreme and Erroneous data types)	Complete past paper (part A), including discussion and learning about the evaluation section.	Complete a second Part A paper	Introduce Part B and form creation. Practice skills, complete walk through activities

3: Using Social Media in Business

Week 17	Week 18	Week 19	Week 20	Week 21	Week 22	Week 23	Week 24	Week 25
<p>Social Media Assignment 2: Introduction of assignment and what is an effective plan. Outline business plus the Aims and Objectives for the campaign. Start P3 "Produce a plan to use social media in a business to meet its business requirements."</p>	<p>P4 "Review the plan with others in order to identify and inform improvements", students to meet teacher to conduct review and then produce final plan af feedback.</p>	<p>Write up M2 "Justify planning decisions made, showing how the plan will fulfil its purpose and business requirements" and part of D2 "Evaluate the plan ..... against business requirements".</p>	<p>Start to produce the video and images in preparation for running their social media campaign - P5 "Produce business-related content using appropriate features of social media which meet the requirements of the plan" and M3 "Optimise the content, format and features of social media which meet the requirements of the plan" - this means Compression, file types and hash tags.</p>	<p>Week 1 of Social Media Campaign. Collect screen shots of all activity. As you create this evidence of each post, link back to how the post helps to achieve the Aims and Objectives</p>	<p>Week 2 of Social Media Campaign. Collect screen shots of all activity. As you create this evidence of each post, link back to how the post helps to achieve the Aims and Objectives</p>	<p>P6 "Review data obtained on social media usage and interaction". Write up the analytic findings, reviewing the effectiveness of each type of post, the times of the posts or the days. Is there a pattern to which types of posts perform better?</p>	<p>Continue with remaining part of D2 "Evaluate... the use of social media in a business against business requirements", then write up D3 "Demonstrate individual responsibility, creativity, and effective self-management in the planning and use of social media in a business context" - this means research and design, using copyright free images, using scheduling tools and hitting the deadlines.</p>	<p>Assignment 2 hand in.</p>

**Cultural Capital:** Developing problem solving skills, considering the needs of others in the design and production of websites, predicting and discovering how to effectively promote a topic on social media

**Social, Moral, Spiritual and Cultural Development:** Developing strategies for effective social media content to engage an audience, using only copyright free and ethical assets that appeal to a wide demographic

**Cultural Capital:**

**Fundamental British Values: Employment Law and Discrimination:** Complying with copyright law, presenting web products in a way to aid usability and to consider disabled users and inclusion

Week 10	Week 11	Week 12
Complete D2 "Demonstrate individual responsibility, creativity and effective self-management in the design, development and review of a website" and D3 "Evaluate the design and optimised website against client requirements."	A week to review work and to ensure the whole website is working and that all of the written commentary is completed to Distinction Standard	Hand in Assignment 2

										3: Using Social Media in Business					
Week 21	Week 22	Week 23	Week 24	Week 25	Week 26	Week 27	Week 28	Week 29	Week 30	Week 31	Week 32	Week 33	Week 34	Week 35	
Topics: Features of IT systems, Impact of systems, Data sources, Processing and Presenting data. Data collection	Topics: Moral and Ethical Factors, Data Protection, DPA Legislation and Accessibility Legislation	Mock exam and DIRT	Command Word understanding and exam strategy	Past Papers and Practice. Feedback to be provided to students						Probable Exam Week	Introduce Unit. Discuss features of Social Media. Issue Assignment	P1 "Explain the different ways in which a business can use social media"	M1 "Assess the different ways in which a business can use social media to attract a target audience"	P2 "Explain the audience profiles of different social media websites"	Possibly Work Experience week

Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	CHRISTMAS	Week 16
Practice Part B with new paper. Review/Discuss how to evidence work in the exam	PPE	Practice tasks, work on individual knowledge gaps	Practice tasks, work on individual knowledge gaps	Practice tasks, work on individual knowledge gaps	Practice tasks, work on individual knowledge gaps		Database EXAM

EXAM RESIT WINDOW (Not necessary for all students)

Week 26	Week 27	Week 28	Week 29	Week 30	Week 31
---------	---------	---------	---------	---------	---------

Some students will have completed the course at this point with Distinction\* grades. Others will need to prepare for resit exams, either resitting the written exam, or the database exam, or both exams depending on overall progress. The exam window is May/June.




Week 36	Week 37
D1 "Evaluate (a) the business use of social media to interact with customers and (b) promote products or services to a target audience"	Assignment hand in. End of year