



Year 12

Curriculum Overview: BTEC Level 3 Information Technology



Autumn Term

Topics/ content outline:

1. Using Social Media in Business
2. Business uses of social media
3. Risks and issues
4. Social media planning
5. Business requirements
6. Content planning / publishing
7. Introduction to Databases
8. Normalisation
9. Building simple database

Powerful Knowledge (key concepts, skills)

- Being able to:
- Explain the different ways in which a business can use social media.
 - Assess the different ways in which a business can use social media to attract a target audience.
 - Justify planning decisions made, showing how the plan will fulfil its purpose and business requirements.
 - Evaluate the business use of social media to interact with customers and promote products or services to a target audience.
 - Examine the structure of data and its origins, and how an efficient data design follows through to an effective and useful database

What will you be assessed on?

Documentation showing the planning, preparation and implementation of the use of social media in a business, which meets identified requirements.

Your ability to demonstrate knowledge of database development terminology, standards, concepts and processes.

How can you help at home?

Encourage your child to:

Recall key concepts from lessons

Work through the case-study requirements (a minimum of 4 hours a weeks)

Engage with on-line learning material / videos

Review and complete the revision Year 12 Unit 2 revision plan.

Spring Term

1. Social media policy
2. Reviewing and refining plans
3. Creating accounts and profiles
4. Content creation and publication
5. Implementation of online community building
6. Data gathering and analysis
7. Building queries & forms
8. Database testing
9. Evaluating databases
10. Preparation for Unit 2 exam.

- Being able to:
- Produce a plan to use social media in a business to meet its business requirements
 - Justify planning decisions made, showing how the plan will fulfil its purpose and business requirements.
 - Produce business-related content using appropriate features of social media which meet the requirements of the plan.
 - Develop an effective design solution to produce a database system
 - Evaluate each stage of the development process and the effectiveness of a database solution.

Establishing social media pages dedicated to a business, which fulfil the requirements given in the plan, accompanied by supporting documentation.

Statistical data generated by social media websites, including an analysis of how it was used to optimise the use of social media.

Your ability to apply knowledge and understanding of database development terminology, standards, concepts and processes to create a software product to meet a client brief

Encourage your child to:

Recall key concepts from lessons

Work through the case-study requirements (a minimum of 4 hours a weeks)

Engage with on-line learning material / videos

Review and complete the revision Year 12 Unit 2 revision plan.

Summer Term

1. Evaluation of a social media plan
2. Evaluation of a social media campaign.
3. Evaluate the plan and use of social media in a business against business requirements.

- Being able to:
- Evaluate the plan and use of social media in a business against business requirements.

A report evaluating the use of social media in a business against the plan, showing how well it meets business requirements.

Your ability to evaluate evidence to make informed judgements about the success of a database's design and performance

Encourage your child to:

Recall key concepts from lessons

Work through the case-study requirements (a minimum of 4 hours a weeks)

Engage with on-line learning material / videos



Year 13

Curriculum Overview: BTEC Level 3 Information Technology



Autumn Term

Topics/ content outline:

1. Digital devices in IT systems
2. Digital devices, their functions and use
3. Peripheral devices and media
4. Computer software in an IT system
5. Emerging technologies
6. Choosing IT systems
7. Transmitting data
8. Connectivity
9. Networks
10. Issues relating to transmission of data

Powerful Knowledge (key concepts, skills)

- Being able to:
- Demonstrate knowledge and understanding of information technology terms, standards, concepts and processes.
 - Apply knowledge and understanding of information technology terms, standards, concepts and processes
 - Select and use information technologies and procedures to explore likely outcomes and find solutions to problems in context

What will you be assessed on?

All elements of Powerful knowledge
 Recall of facts
 Application of theory within a scenario

Topics 1-10 (Autum Term) via homework

How can you help at home?

Encourage your child to:

Recall key concepts from lessons

Work through the case-study requirements (a minimum of 4 hours a weeks)

Engage with on-line learning material / videos

Review and complete the revision Year 13 Unit 1 revision plan.

Spring Term

1. Operating online
2. Online systems & communities
3. Protecting data and information
4. Impact of IT systems
5. Moral, Legal and ethical issues community building
6. Data gathering and analysis
7. Building queries & forms
8. Database testing
9. Evaluating databases
10. Preparation for Unit 2 exam.

- Being able to:
- Analyse and evaluate information, technologies and procedures in order to recommend and justify solutions to IT problems.
 - Make connections between the application of technologies, procedures, outcomes and solutions to resolve IT problems.
 - Describe the stages in the decision making process
 - Describe the spreadsheet features used to support data modelling
 - Demonstrate using data modelling to consider alternatives

All elements of Powerful knowledge
 Recall of facts
 Application of theory within a scenario

Topics 1-10 (Autum Term) via homework
 Topics 1-5(Spring Term) via homework

A presentation or report evaluating the role of data modelling in the decision-making process.

Encourage your child to:

Recall key concepts from lessons

Work through the case-study requirements (a minimum of 4 hours a weeks)

Engage with on-line learning material / videos

Review and complete the revision Year 13 Unit 1 revision plan.

Summer Term

1. Evaluation social media plans
2. Evaluation of a social media campaign.
3. Creating accounts and profiles
4. Implementation of online community building
5. Data gathering and analysis
6. Digital devices in IT systems
7. Digital devices, their functions and use.

- Being able to:
- Evaluating models, documenting and justifying your decisions
 - Produce a functional specification, spreadsheet model design and be able to review and refine data model designs
 - Developed a data model solution, testing the data model Solution, review and refining the data model solution

Your ability to design and develop a data model to fulfil identified client requirements.

Your ability to design a functional specification, design documentation, spreadsheet development and testing logs.

A report that evaluates the effectiveness of the alternatives considered, and suggests ways in which the alternatives could be improved if the task were to be repeated.

Encourage your child to:

Recall key concepts from lessons

Work through the case-study requirements (a minimum of 4 hours a weeks)

Engage with on-line learning material / videos

Review and complete the revision Year 13 Unit 1 revision plan.