

KS4 Curriculum Overview 2023/24

Department: ICT & Business - BTEC Tech Award in Digital Information Technology

Description of KS4 Curriculum:

Three components. Component 1 & 2 are internally assessed assignments worth 60% of the course. Component 3 is an externally assessed written exam worth 40%.

- Component 1: Exploring User Interface Design Principles & Project Planning Techniques (30%) allows a student to develop an understanding of what makes an effective user interface and how to effectively manage a project. This is completed during Term 2 of Year 10.
- Component 2: Collecting, Presenting and Interpreting Data (30%) allows a student to understand the characteristics of data and information and how this helps an organisation in their decision making. This is completed during Term 1 of Year 11
- Component 3: Effective Digital Working Practices (40%) will look at how organisations use digital systems and the wider implications associated with their use. This is a written 1.5 hour examination that will be taken at the end of Year 11.

Sequence of Learning:

| KS4 | Term 1 Content | Term 2 Content | Term 3 Content |
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| Year 10 | <p>Component 1 - Exploring User Interface Design Principles and Project Planning Techniques.</p> <p>Learning aim A: Investigate user interface design for individuals and organisations</p> <p>Assessment criteria:</p> <ul style="list-style-type: none"> • What is a user interface? • Audience needs • Design principles • Designing an efficient user interface <p>Learning aim B: Use project planning techniques to plan and design a user interface.</p> <p>Assessment criteria:</p> <ul style="list-style-type: none"> • Project planning techniques • Create a project plan • Create an initial design | <p>Component 1 - Exploring User Interface Design Principles and Project Planning Techniques.</p> <p>Learning aim C: Develop and review a user interface.</p> <p>Assessment criteria:</p> <ul style="list-style-type: none"> • Developing a user interface • Refining the user interface • Review <p>Students complete the Component 1 Set Assignment coursework tasks.</p> | <p>Component 2 - Collecting, Presenting and Interpreting Data.</p> <p>Learning aim A: Investigate the role and impact of using data on individuals and organisations</p> <p>Assessment criteria:</p> <ul style="list-style-type: none"> • The characteristics of data • Data collection methods • Quality of the data collected and its impact on decision making • Reliability of data • Threats to data <p>Learning aim B: Create a dashboard using data manipulation tools.</p> <p>Assessment criteria:</p> <ul style="list-style-type: none"> • Data processing methods • Produce a dashboard |

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| <p>Year 11</p> | <p>Component 2 - Collecting, Presenting and Interpreting Data.</p> <p>Learning aim C: Draw conclusions and review presentation methods.</p> <p>Assessment criteria:</p> <ul style="list-style-type: none"> ● Drawing conclusions based on the data ● How presentation affects understanding <p>Students complete the Component 2 Set Assignment coursework tasks.</p> | <p>Component 3 - Effective Digital Working Practices.</p> <p>Learning aim A: Modern technologies.</p> <ul style="list-style-type: none"> ● Modern technologies and their impact <p>Learning aim B: Cyber Security.</p> <ul style="list-style-type: none"> ● Drawing conclusions based on the data ● Prevention and management of threats ● Policy | <p>Component 3 - Effective Digital Working Practices.</p> <p>Learning aim C: The wider implications of digital systems.</p> <ul style="list-style-type: none"> ● Responsible use ● Legal and ethical issues ● Forms of notation <p>Exam revision/preparation.</p> |
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