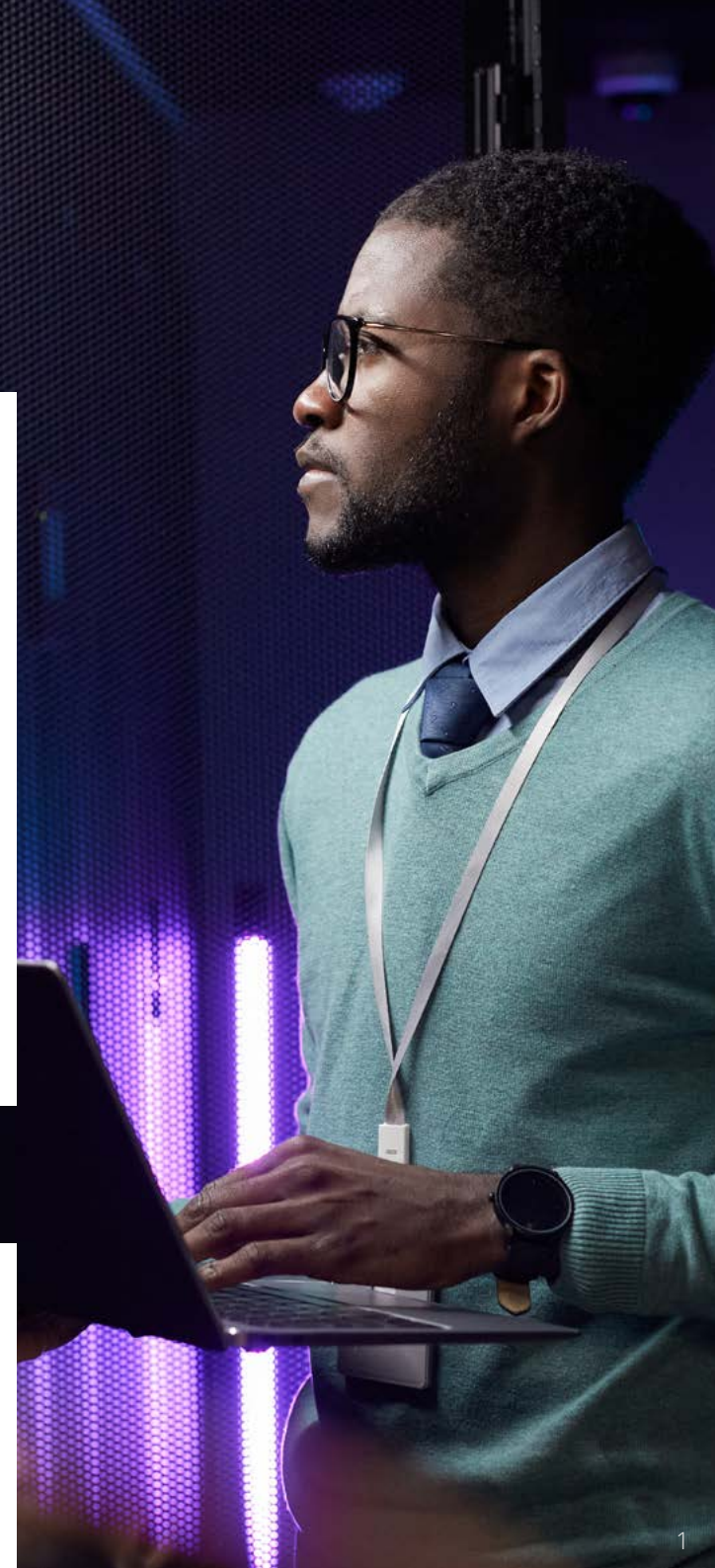**Pearson**
**BTEC**

# BTEC Tech Award in Digital Information Technology (2022)

## Internal Assessment Requirements

Developed from the popular BTEC First Award in Digital Information Technology, this Tech Award is for learners interested in taking a hands-on course alongside their GCSEs that will offer them an insight into what it is like to work in the sector, giving them a broad introduction that keeps all of their options open and allows them to make an informed decision about their future learning and career.

# Component 1
## Exploring User Interface Design Principles and Project Planning Techniques

This qualification is designed to help centres maximise opportunities for a practical delivery method, enriching learners' experience.

Assessment – Understand interface design for individuals and organisations. Be able to use project planning techniques to plan, design and develop a user interface and review a user interface.

| Task | Objective | Time | Delivery Method | Assessment Method | Assessment Weighting |
|------|-----------|------|-----------------|-------------------|----------------------|
| Task 1 | Learners will complete a project proposal template using a project proposal brief, they will use software to create a project plan. | 1.5 hours | Theory and Practical | Written | 40%<br>24 Marks |
| Task 2 | Learners will design an initial user interface for four screens. | 1.5 hours | Practical | Practical | 20%<br>12 Marks |
| Task 3 | Learners will use their intital design to develop a working prototype of the four screens. | 2 hours | Practical | Practical | 20%<br>12 Marks |
| Task 4 | Learners will review their user interface and project planning techniques. | 1 hour | Practical | Written | 20%<br>12 Marks |

# Component 2
## Collecting, Presenting and Interpreting Data

Assessment – Understand how data is collected and used by organisations and its impact on individuals. Be able to create a dashboard using data manipulations tools, and be able to draw conclusions and review data presentation methods.

| Task | Objective | Time | Delivery Method | Assessment Method | Assessment Weighting |
|------|-----------|------|----------------|-------------------|---------------------|
| Task 1 | Learners will explore the suitability of two given data collection methods used by an organisations for a given dataset. | 1 hour | Theory and Practical | Written | 20% 12 Marks |
| Task 2 | Learners will use data manipulation and processing methods to create a dashboard to present data summaries. | 2.5 hours | Practical | Digital | 40% 24 Marks |
| Task 3 | Learners will analyse a given dataset, present their findings and draw conclusions based on these findings. They will explore how presentation affects understanding in the dataset and how they could be improved. | 2.5 hours | Practical | Written | 40% 24 Marks |

NB: Component 3 is Externally Assessed

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