

## BTEC Tech Award (2022): Digital Information Technology (Year 10 & 11)

KS4	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10 BTEC DIT	Component One: Exploring user interface and planning theory / practice / Theory for Comp 3		Comp 1 live PSA Exploring user interface / Theory for Comp 3		Component Two: Collecting and presenting data / practice / Theory for Comp 3	
Year 11 BTEC DIT	Component 2 Live PSA Collecting and presenting data		Comp 3 Theory		Revision / Exam comp 3	

### Component 1: Understand interface design for individuals and Organisations

A1 User interfaces

A2 Audience needs

A3 Design principles

A4 Designing an efficient user interface

### Learning outcome B: Be able to use project planning techniques to plan, design and develop a user interface

B1 Project planning techniques

B2 Creating a project proposal and plan

B3 Creating an initial design

B4 Developing a user interface

### Learning outcome C: Be able to review a user interface

C1 Review

Strengths and weaknesses of the user interface.

Suggest improvements

## **Component 2: Collecting, Presenting and Interpreting Data**

### **Learning outcome A:**

**Understand how data is collected and used by organisations and its impact on individuals**

- A1 Characteristics of data and information**
- A2 Representing information**
- A3 Ensuring data is suitable for processing**
- A4 Data collection**
- A5 Quality of information**
- A6 Sectors that use data modelling**
- A7 Threats to individuals**

### **Learning outcome B: Be able to create a dashboard using data manipulation**

- B1 Data processing methods**
- B2 Producing a dashboard**

### **Learning outcome C: Be able to draw conclusions and review data presentation methods**

- C1 Drawing conclusions based on findings in the data**
- C2 How presentation affects understanding**

## **Component 3: Effective Digital Working Practices: Exam**

### **A Modern technologies**

- A1 Modern technologies**
- A2 Impact of modern technologies**

### **B Cyber security**

- B1 Threats to data**
- B2 Prevention and management of threats to data**
- B3 Policy**

### **C The wider implications of digital systems**

- C1 Responsible use**
- C2 Legal and ethical**

### **D Planning and communication in digital systems**

- D1 Forms of notation**