

BTEC Technical Award in Digital Information Technology

Who is the course for?

This course has been designed to develop digital literacy and provide you with the skills, knowledge and understanding required to thrive in the rapidly developing digital world around you. It is appropriate for students who wish to develop IT skills for solving practical problems and acquire the technical skills that will provide a foundation for A Level Computing and ICT courses.

What are the entry requirements?

- Able to work independently, organise your time and keep to deadlines.
- Able to communicate clearly in written English.
- Able to use mathematical signs, symbols, ideas and methods.
- Able to work through problems in logical steps.
- The ability to take a written brief and turn in to a finished product.

Course Aims:

- Investigating different types of user interfaces, how user interface design principles are used to meet the needs of different users.
- Creating an interactive user interface for a business
- Investigate how organisations collect, manipulate and interpret data to draw conclusions and make decisions
- Create a data dashboard for a company
- Explore how the developments in technology over recent years have enabled modern organisations to communicate.
- Cyber Security
- Understand the wider implications of digital systems and their use

How is the course assessed?

• **Component 1 - Exploring User Interface Design Principles and Project Planning Techniques**

Learners will develop their understanding of what makes an effective user interface and how to effectively manage a project. They will use this understanding to plan, design and create a user interface. This is an internal examination which will be computer based spread over six hours.

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

Learners will understand the characteristics of data and information and how they help organisations in decision making. They will use data manipulation methods to create a dashboard in Excel to present and draw conclusions from information. This is an internal examination which will be computer based spread over six hours.

• **Component 3: Effective Digital Working Practices**

Learners will explore how organisations use digital systems and the wider implications associated with their use. This is an external examination for 1 hour and 30 minutes.

Duration/Time

This is a two year course with five lessons per fortnight. You will need to spend at least 60 minutes per week outside lessons on activities such as research, planning and revision.

