

BTEC Digital Information Technology

Career Pathways	<p>Subject specific routes: Network Engineer, Website Developer, Interface Designer, Computer Systems Analyst, Computer and Information Systems Manager (IT Manager), Database Administrator, Information Security Analysts, Computer Network Architects, Network and Computer Systems Administrators.</p> <p>IT is also useful to support work across a vast number of alternative sectors such as: Medicine, Engineering, Finance, Science, Entertainment and Creative.</p>
Examination Board	Pearson
Is this the right subject for me?	<p>The digital sector is a major source of employment in the UK, with 1.46 million people working in digital companies and around 45,000 digital jobs advertised at any one time. Digital skills span all industries; almost all jobs in the UK today require employees to have a good level of digital literacy.</p> <p>The UK has positioned itself to be the 'digital capital of Europe' as it continues to invest billions every year in digital skills and commerce.</p> <p>This course is ideal preparation if you want to contribute to this!</p>
What do I need to know, or be able to do, before taking this course?	<p>You should enjoy the IT elements covered in your Year 9 computing lessons specifically:</p> <ul style="list-style-type: none"> • Spreadsheets • Presentations • The exploration of how people in the real-world use technology <p>Your teacher will have made it clear which work in Year 9 you have done that is preparation for this.</p> <p>Make sure you know the difference between this and computer science.</p>
You will not be doing any programming on this course!	You will need to have access to a computer at home to practice the skills learnt in lessons.

What will I learn?

Explore

Component 1

Exploring User Interface Design Principles and Project Planning Techniques

Aim: how to project plan the design and development of a user interface
Assessment: internally assessed assignment(s)
Weighting: 30% of total course

During Component 1, your students will:

- **explore** user interface design and development principles
- **investigate** how to use project planning techniques to manage a digital project
- **discover** how to develop and review a digital user interface.

Develop

Component 2

Collecting, Presenting and Interpreting Data

Aim: process and interpret data and draw conclusions
Assessment: Internally assessed assignment(s)
Weighting: 30% of total course

During Component 2, your students will:

- **explore** how data impacts on individuals and organisations
- **draw** conclusions and make recommendations on data intelligence
- **develop** a dashboard using data manipulation tools.

Apply

Component 3

Effective Digital Working Practices

Aim: explore how organisations use digital systems and the wider implications associated with their use
Assessment: scenario-based external 1hr 30 min written exam where students demonstrate their knowledge to propose digital solutions to realistic situations.
Weighting: 40% of total course

To achieve this aim, your students will:

- explore how modern information technology is evolving
- consider legal and ethical issues in data and information sharing
- understand what cyber security is and how to safeguard against it.