

BTEC Digital Information Technology

OPTION

Digital Information Technology focusses on the creating of digital products to solve business needs. Students will study various ways that individuals and businesses use computers to solve problems and work efficiently, as well as some of the issues that can arise from the use of IT.

To use a car analogy, students who study digital information technology are not only learning to drive but wanting to be racecar drivers. They know how to get the best out of the car and are highly proficient in using a car, while it's the engineers (computer scientists) who understand how the car is built and runs.

We will be following the BTEC vocational specification and students will receive a qualification equivalent to 1 GCSE. The skills learned will be relevant across a wide range of career paths both directly and indirectly.

This course builds on:

- Skills learned at Key Stage 3 within the areas of project planning, applied ICT, digital literacy, spreadsheets and databases and creating high quality digital products.

The course aims to:

- Develop understanding of current and emerging business technologies
- Develop solutions to real-world business examples
- Develop creative and technical skills used across a wide range of careers

Coursework and Examinations:

- Component 1 Coursework – Exploring User Interface Design Principles and Project Planning Techniques (30%)
Learn about interface design for individuals and organisations and be able to plan, design and develop a user interface for a specific client
- Component 2 Coursework – Collecting, Presenting and Interpreting Data (30%)
Understand how data is collected and used, be able to create a dashboard using data manipulation tools and draw conclusions and review data presentation methods
- Component 3 Exam – Effective Digital Working Practices (40%)
Studying IT topics including: modern technologies, cyber security, the wider implications of digital systems, planning and communication in digital systems

Progression Pathways to further and higher education:

- KS5 study in IT, University courses, Apprenticeships / Employment in a wide variety of IT related or business related environments.

Career Opportunities:

- IT Analyst, Marketing and Advertising, Photography and Media, plus essential digital skills for any career