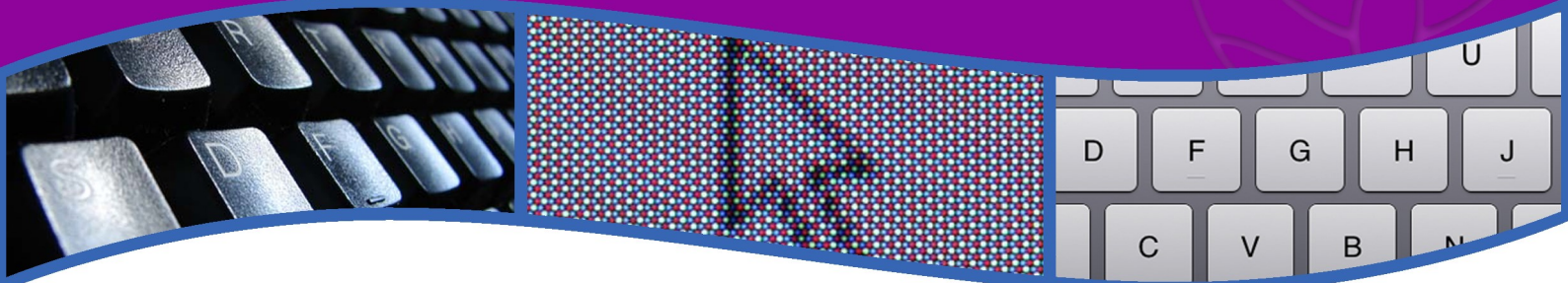


BTEC Digital Information Technology

Examination Board: Pearson Edexcel

Contact: Mrs T Goodrick



Course Aims:

Digital Information Technology is designed to engage and enthuse young people with an interest in creative computing, for example digital graphics and animations and interactive multimedia products. The course gives learners the opportunity to develop sector-specific knowledge and skills in a practical learning environment, including:

- development of key skills that prove their aptitude in digital information technology, such as project planning, designing and creating user interfaces, creating dashboards to present and interpret data. They will learn to use a wide range of application software programs.
- processes that underpin effective ways of working, such as project planning, the iterative design process, cyber security, virtual teams, legal and ethical codes of conduct.
- knowledge that underpins effective use of skills, processes and attitudes in the sector, such as how different user interfaces meet user needs, how organisations collect and use data to make decisions, virtual workplaces, cyber security and legal and ethical issues.

The Award complements learning in GCSE programmes; it gives learners the opportunity to apply knowledge and skills practically through project work, such as planning and designing a user interface and developing a dashboard to interpret trends in data.

Course Description:

The course is made up of three units:

Unit	Title	Assessment
1	Exploring User Interface Design Principles and Project Planning Techniques	Internally assessed assignment (30%)
2	Collecting, presenting and interpreting data	Internally assessed assignment (30%)
3	Effective Digital Working Practices	Externally assessed examination (40%)

How will I learn?

Areas covered assist pupils to:

become independent and discerning users of IT, able to make informed decisions about its use and aware of its implications for individuals, organisations and society.

acquire and apply creative and technical skills, knowledge and understanding of IT in a range of contexts, to develop and evaluate IT-based solutions to solve problems

develop their understanding of current and emerging technologies and their social and commercial impact

develop their understanding of the legal, social, economic, ethical and environmental issues raised by IT

recognise potential risks when using IT, and develop safe, secure and responsible practice.

Possible Career Pathways:

It is hoped that the practical skills and understanding gained from this course will provide candidates with a level of information that can form the basis for higher studies in IT and related subject or for a vocational career in IT.