Digital Information Technology

Name of Course	Level 1/2 BTEC Award in Digital Information Technology **603/7050/6**
Exam Board	Pearson
Curriculum Outline	**Comprises of three units** **Unit 1 - Exploring User Interface Design Principles and Project Planning Techniques - Internally assessed coursework. 60 Marks** Learners will develop their understanding of what makes an effective user interface and how to effectively manage a project. As digital technologies and organisations continue to evolve, each new development offers new and exciting ways of completing tasks and interacting with our hardware devices. Each new development opens up a new project with a new set of user requirements that needs to be solved. In this component you will learn different project planning techniques that can be used to both plan and deliver a project that meets a set of user requirements. They will use this understanding to plan, design and create a user interface. This unit has 3 learning aims: **LOA:** Understand user interface design for individuals and organisations **LOB**: Be able to use planning techniques to plan and design a user interface **LOB:** Be able to review a user interface. **Unit 2 - Collecting, Presenting and Interpreting Data - Internally assessed coursework. 60 Marks** 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 to present and draw conclusions from information. This component will help to develop your understanding of how to represent information in different ways to give it more meaning. The component will help you to progress to further vocational or academic qualifications. It will enable you to develop transferable data manipulation tools that you can use to make effective decisions in all areas of study and employment. The unit has 3 Learning aims: **L0A:** Understand how data is collected and used by organisations and its impact on individuals **L0B:** Be able to create a dashboard using data manipulation tools

	L0C: Be able draw conclusions and review data presentation methods. **Unit 3 - Effective Digital Working Practices – <u>Externally assessed.</u> <u>60 marks</u>** You will explore how organisations use digital systems and the wider implications associated with their use. This component will give you an opportunity to explore how the developments in technology over recent years have enabled modern organisations to communicate and collaborate more effectively than ever before. The component is designed to allow you to explore the digital systems available to organisations and how their features have an impact on the way organisations operate. You will explore how developments in technology have led to more inclusive and flexible working environments, and how regulation and ethical and security concerns influence the way in which organisations operate. **Learning Aim A**: Modern technologies **Learning Aim B:** Cyber Security **Learning Aim C**: The wider implications of digital systems **Learning Aim D**: Planning and communication in digital systems
Learning & Assessment Method	**Graded at Distinction*, Distinction, Merit and Pass. Equivalent to a GCSE** **Unit 1 and 2** will be assessed through the completion of set assignment brief relating to a vocational scenario, with clear deadlines. Tasks are mapped to learning aims and criteria with clear evidence requirements. **Unit 3** is assessed through a written paper which is sat in either Feb/June. The exam is 1 hour 30 minutes and has questions totalling 60 marks.
Curriculum Intent	The **BTEC Digital Information Technology Award** prepares students with high quality skills and knowledge for a successful future. The award gives the learners the opportunity to develop sector-specific knowledge and skills in a practical learning environment. In year 10 we will cover the development of key skills that prove their aptitude in digital information such as project planning, designing and creating user interfaces and create dashboards to present and interpret data. They will follow the process that underpins effective ways of working in digital information technology, such as project planning, the iterative design process, cyber security, virtual teams, legal and ethical codes of conduct. They will learn how organisations can use technology safely including cyber security when working in a digital organisation.

Career and Learning Progression	**ICT/Computing** is forever changing and rapidly, at St. Aidan's we ensure our students are ready to enter the digital capital of the world. Many students choose to remain with us to complete our seven year journey and study the Cambridge Diploma in IT. The knowledge and skills they develop taking this course will give them a basis for further study in a range of subjects and allow them to consider career paths which include: **Computing**, **IT**, **engineering**, **Game design**, **Networking**, **creative** and **scientific** or to go onto an apprenticeship or entry-level employment where their understanding of technology will be relevant. Practically every path to employment will need some IT skills and with this course we ensure you are more than capable of entering the digital world well equipped.
Useful Links	Pearson BTEC Digital Information Technology Digital information Technology at St. Aidan's Catholic Academy