

## **Btec DIT**

### **Vision**

To provide high quality education in both the theoretical and applied foundations of Computer Science and Business in order to equip and train students to effectively apply this knowledge to solve real-world problems thus increase their potential for lifelong learning and give them a competitive advantage in the ever changing and challenging global work environment of the 21st century.

### **Curriculum**

#### **Teaching and Learning**

This course will provide students with technical knowledge and technical skills through vocational contexts by studying the knowledge, understanding and skills related to data management, data interpretation, data presentation and data protection as part of their Key Stage 4 learning.

The qualification recognises the value of learning skills, knowledge and vocational attributes to complement GCSEs. The qualification will broaden the learners experience and understanding of the varied progression options available to them.

The skills that are covered are:

- Project planning, designing and creating user interfaces and creating dashboards to present and interpret data
- 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

- The use of skills, process 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.

#### **Key Stage 4 - BTEC Digital Information Technology (Qualification Number: 603/2740/6)**

Students who have chosen Digital IT as a BTEC qualification will be taking the Pearson specification. The specification of the course can be found on the Pearson website:

<https://qualifications.pearson.com/content/dam/pdf/btec-tec-awards/information-technology/2017/specification-and-sample-assessments/Spec-BTEC-L1-2TECHAWD-DIT.pdf>

The course consists of three modules. Modules one and two are internally assessed and module three is an exam based external assessment.

Below are the units of work that students will complete during Year 10 and Year 11.

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<b>Year 10</b>	1: Exploring User Interface Design Principles and Project Planning Techniques	1: Exploring User Interface Design Principles and Project Planning Techniques	1: Exploring User Interface Design Principles and Project Planning Techniques	1: Exploring User Interface Design Principles and Project Planning Techniques	1: Exploring User Interface Design Principles and Project Planning Techniques	<b>3: Effective Digital Working Practices</b>
<b>Unit Overview</b>	A: Investigate user interface design for individuals and organisations A1 What is a user interface? A2 Audience needs	A: Investigate user interface design for individuals and organisations A3 Design principles A4 Designing an efficient user interface	B: Use project planning techniques to plan and design a user interface  B1 Project planning techniques	B2 Create a project plan  B3 Create an initial design	C: Develop and review a user interface C1 Developing a user interface  C2 Refining the user interface  C3 Review	Modern Technologies and Cyber Security
<b>Assessment</b>	<b>W/B 19/11/2020</b> End of unit assessment	<b>W/B 14/12/2020</b> End of unit assessment	<b>W/B 08/02/2021</b> End of unit assessment	<b>W/B 29/03/2021</b> End of unit assessment	<b>W/B 24/05/2021</b> End of unit assessment	<b>W/B 05/07/2021</b> End of unit assessment
	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
<b>Year 11</b>	<b>3: Effective Digital Working Practices</b>	<b>3: Effective Digital Working Practices</b>	2: Collecting, Presenting and Interpreting Data	2: Collecting, Presenting and Interpreting Data	<b>3: Effective Digital Working Practices</b>	

<b>Unit Overview</b>	The wider implications of digital systems	Forms of notation.	A: Investigate the role and impact of using data on individuals and organisations A1 Characteristics of data and information A2 Representing information A3 Ensuring data is suitable for processing A4 Data collection A5 Quality of information and its impact on decision making A6 Sectors that use data modelling  A7 Threats to individuals	B: Create a dashboard using data manipulation tools B1 Data processing methods  B2 Produce a dashboard C: Draw conclusions and review data presentation methods C1: Drawing conclusions based on the data  C2 How presentation affects understanding	A: Modern technologies  A1 Modern technologies A2 Impact of modern technologies B: Cyber security B1 Threats to data B2 Prevention and management of threats to data B3 Policy C: The wider implications of digital systems C1 Responsible use C2 Legal and ethical D: Planning and communication in digital systems D1 Forms of notation	
<b>Assessment</b>	<b>W/B 19/11/2020</b> <b>End of unit assessment</b>	<b>W/B 14/12/2020</b> <b>End of unit assessment</b>	<b>Mock 1</b>	<b>Mock 2</b>	<b>Exam practice</b> <b>Final Exams</b>	

## Useful links for Independent Learning and revision:

### Course Specification

<https://qualifications.pearson.com/content/dam/pdf/btec-tec-awards/information-technology/2017/specification-and-sample-assessments/Spec-BTEC-L1-2TECHAWD-DIT.pdf>

### Past Papers and Other Resources

<https://qualifications.pearson.com/content/dam/pdf/btec-tec-awards/information-technology/2017/specification-and-sample-assessments/63296-BTEC-L2-TechAward-DIT-21193L-AddSAM-Unit3-FULL.pdf>

## Academic Intervention

- **1:1 Support**  
Support is given to students who are either struggling or cause for concern.
- **Revision Packs**  
These are provided to all the students which contains all topics covered with questions that they can work through in order to help them better prepare for the exams. Revision packs consist of:
  - o **Revision Guides** (at cheaper than RRP or free to Pupil Premium students)
  - o **Knowledge Organisers** for every unit of work at KS4
  - o **Exam Style Questions** from all past papers
  - o **Flash Cards** for students to make individual notes
- **Google Classroom Support**

All lessons and worksheets in lessons are uploaded to Google Classroom where students can access all of the content including the majority of the resources from the Revision Packs above and additional resources. Students can also communicate with teachers outside of the classroom using Google Classroom for extra support.

- **Monitoring**  
Regular monitoring of students carried out through termly cycles, Narrowing the Gap and Curriculum Meetings to identify underperforming students so that relevant interventions can be put in place.
  
- **Personal Enrichment / Extra-curricular**
  - o Enrichment clubs for all years once a week.
  - o Study Clubs for Year 11 once a week.