



Eastlea
COMMUNITY SCHOOL

Long Term Plan

Digital

Information

Technology

KS4 (Year 10 & Year 11)

By Amit Basson Bhatoa
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Subject intent/vision:

Our vision for BTEC Digital Information Technology is to equip students with the practical skills and foundational knowledge needed to thrive in the dynamic digital landscape. We aim to cultivate innovative problem-solvers who can effectively apply digital tools and information management strategies to real-world challenges. Through this program, students will develop the adaptability and confidence to navigate the evolving technological world, fostering a lifelong engagement with learning and providing a competitive edge in 21st-century careers.

To enable all students to achieve, our subject curriculum is underpinned by the following principles:



Ambitious - Digital Information Technology aims to empower students with a comprehensive understanding of ICT, fostering creativity through hands-on interface design and data modelling. The curriculum prepares students for advanced studies at KS5 and cultivates responsible, informed technology users ready for future challenges.



Sequenced / Spiral - Our spiral curriculum iteratively revisits and deepens topics, building on previous knowledge. Lessons are sequenced to ensure a logical, coherent learning experience, with each one building on the last.



Literacy - Digital Information Technology promotes literacy through technical vocabulary, comprehension of computing concepts, and clear communication in coding. By exploring societal impacts of technology and integrating literacy elements, it aims to develop students who can effectively communicate and critically analyse computing concepts.



Cultural Capital - Digital Information Technology promotes cultural capital through immersive experiences like museum trips and studio visits, enriching students' understanding of technology's cultural and historical context. These activities aim to connect learning to real-world applications, inspiring students to appreciate the societal impact and diverse opportunities in technology.

Long term plan:

From September 2026: KS4 Digital Information Technology Programme of Study (Year 10)

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Component 1: Exploring User Interface Design Principles and Project Planning Techniques Students will explore the design and use of User Interfaces. In this topic students will be learning about: - Types of user interface - Range of uses - Appropriate design choices - Audience needs - Accessibility needs - Design principles - Efficient user interfaces	Component 1: Exploring User Interface Design Principles and Project Planning Techniques Students will explore the design and use of User Interfaces. In this topic students will be learning about: - A variety of planning tools - Methodologies - Project Proposal - Project Planning - Reviewing final designs Students will also be creating an initial design and developing a user interface.	Component 2: Collecting, presenting, and interpreting data Students will explore data analysis techniques. In this topic, students will be learning about: - Data collection methods - Data collection features - Quality of information - Data modelling in different sectors - Threats of data to individuals	Component 2: Collecting, presenting, and interpreting data Students will explore data analysis techniques. In this topic, students will be learning about: - Data manipulation - Data processing methods - Use of formulas Students will also be producing a dashboard to model data in a user presentable format through the use of graphs and tables. Students will then review the work they have produced.	Component 3: Effective digital working practices Students will explore how modern technologies are used and how they have an impact on different organisations. Students will be learning about: - Communication - Cloud storage - Modern team working - Inclusivity and Accessibility	Component 3: Effective digital working practices Students will explore how modern technologies are used and how they have an impact on different organisations. Students will be learning about: - Computer Threats - Prevention of Threats - Management of data - Policy creation
Assessment: Practice NEA 6 hours (guided)	Assessment: NEA Component 1 6 hours (guided)	Assessment: Practice NEA 6 hours (guided)	Assessment: NEA Component 2 6 hours (guided)	Assessment: End of Unit Test 50 marks/60 minutes	Assessment: End of Unit Test 50 marks/60 minutes

From September 2026: KS4 Digital Information Technology Programme of Study (Year 11)

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Component 3: Effective digital working practices Students will explore how modern technologies are used and how they have an impact on different organisations. Students will be learning about: - Responsible use of devices - Legal and ethical considerations - Environmental considerations - Privacy	Component 3: Effective digital working practices Students will explore how modern technologies are used and how they have an impact on different organisations. Students will be learning about: - Data flow diagrams - Flowcharts - Presenting information in different formats	Targeted Revision Students will use analysis from mock papers and previous assessments to identify topics that they need to improve on. The following revision resources will be given to students to close gaps in their knowledge: - Revision Guides - Knowledge Organisers - Past Paper Practice Questions - End of Unit Practice Questions - Flashcards - Lesson Content via Google Classroom - Additional Programming Challenges - Condensed Content in booklet format			Final Exams Finished
Assessment: End of Unit Test 50 marks/60 minutes	Assessment: Mock Exam 1 60 marks/90 minutes	Assessment: External Assessment Attempt 1 60 marks/90 minutes	Assessment: Mock Exam 2 60 marks/90 minutes	Assessment: External Assessment Attempt 2 60 marks/90 minutes Component Retakes	

KS4 Overview

Students final BTEC grade will be internal and externally assessed in the following way:

BTEC Digital Information Technology		
Component 1	Component 2	Component 3
Exploring User Interface Design Principles and Project Planning Techniques - Internal Assessment - Carries 60 marks - Equates to 30% of students' grade - Guided assessment time is 6 hours	Collecting, presenting, and interpreting data - Internal Assessment - Carries 60 marks - Equates to 30% of students' grade - Guided assessment time is 6 hours	Effective digital working practices - External Assessment - Carries 60 marks - Equates to 40% of students' grade - 1 hour and 30 minutes

The BTEC specification can be found here:

qualifications.pearson.com/en/qualifications/btec-tech-awards/digital-information-technology-2022.html

Learning Resources:

Sample Assessments

[qualifications.pearson.com/en/qualifications/btec-tech-awards/digital-information-technology-2022.coursematerials.html](https://qualifications.pearson.com/en/qualifications/btec-tech-awards/digital-information-technology-2022/coursematerials.html)

Pearson Revision Guide

pearsonschoolsandfecolleges.co.uk/fe-vocational/subjects/computer-science-and-ict/btec-tech-award-2022-digital-information-technology

ClearRevise Revision Guide

clearrevise.com/titles/btec-tech-award-dit-component-3

KnowItAll Ninja

knowitallninja.com/courses-overview/?_course=btec-tech-award-dit