

KS4 Computing: Digital Information Technology – Curriculum overview

Curriculum Intent

Digital Information Technology intends to prepare students with a practical introduction to life and work in the digital sector. The digital sector is a major source of employment in the UK. Despite a turbulent economy in 2020 the Digital sector in the UK advertised 90,000 jobs per week during the year. Digital skills span all industries, and almost all jobs in the UK today require employees to have a good level of digital literacy. The UK Tech industry as a whole, employs over 2.93 million people and has seen 40% growth between 2017-2019. The UK has positioned itself to be the 'Digital capital of Europe' as it continues to invest billions every year in digital skills and commerce. The modern world expects digital skills to be as important as English and maths. Having both technical skills and business understanding is the key to success.

In September 2022, the next generation of this qualification was introduced. Current y11 still studies the outgoing version of this qualification for their examination in 2023.

How is Computing assessed at THA?

Course: Pearson, BTEC Level 1/2 Tech Award in Digital Information Technology

<https://qualifications.pearson.com/en/qualifications/btec-tech-awards/digital-information-technology.html>

Year 10

Component 1: Exploring using Interface Design principles et. al (internally assessed)

Component 2: Collecting, Presenting and Interpreting Data (internally assessed)

Component 3: Effective Digital Working Practices (examination paper)

Cross Curricular Links

Digital IT links with Business Studies, Maths, English, PSHE.

How this prepares students for their next stage of education/employment

Student can go on to study accounting, IT, Business or retail at college and go on to university or apprenticeships. They are equally well prepared for employment in the many sectors.

Enrichment Opportunities

Resources/Materials to Support Learning



<p>Revision Links: KnowItAllNinja.com</p> <p>Year 11</p> <p>Course breakdown: Component 1: Exploring User Interface Design Principles et al. (internally assessed) Component 2: Collecting, Presenting and Interpreting data (internally assessed) Component 3: Effective digital working practices (examination paper)</p> <p>Revision Links: KnowItAllNinja.com</p>	<p>N/A</p>	<p>www.knowitallninja.com</p> <p>In-house resources</p> <p>https://www.amazon.co.uk/Revise-Digital-Information-Technology-Revision/dp/1292272740</p>
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	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year 10	Component 3: Effective Digital Working Practices (examination paper)			Component 1: Exploring using Interface Design principles et. al		
Year 11	Component 1: Exploring User Interface Design Principles et al. (Coursework)				Topic: Final examination	Topic: N/A
	Component 2: Collecting, Presenting and Interpreting data (Coursework)					
	Key Knowledge: Component 1; Learning Aims B & C Planning a project from start to finish How to use a task list effectively Use of different types of charts How to use mood boards effectively Understanding how contingency plans work	Key Knowledge: Component 2; Component 2 content delivery. Characteristics of Data and Information Ensuring data is suitable Data Collection Factors effecting quality of information Sectors that use data modelling Threats to individuals Data manipulation methods Other processing methods Showing data summaries Presentation methods Presentation features Drawing Conclusions Making Recommendations Impact of presentations	Key Knowledge: Component 2; Learning Aim A What data is and how to use it How to manipulate data How to use formulae correctly	Key Knowledge: Component 2; Learning Aim B Creating a dashboard for their data How to use graphs and charts effectively Importing data and using it to create a dashboard	Key Knowledge: Component 2; Learning Aim C Analysing their work Critiquing others work and giving effective feedback Reviewing their methods and how to recognise and make improvements	Key Skills:

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
	Key Skills: Use of word Use of Powerpoint Use of paint Designing logos	Key Skills: Understanding how to use excel spreadsheets Saving documents Inputting formula Understanding different aspects of Excel	Key Skills: Use of Word Use of Excel spreadsheets Understanding Formula How to screen shot How to paste a screenshot Saving documents	Key Skills: Use of Word Use of Excel spreadsheets Understanding Formula How to screen shot How to paste a screenshot Saving documents	Key Skills: Use of Word Creative writing – critiquing theirs and others work	Assessment:
	Assessment: Learning Aim B - Use project planning techniques to plan and design a user interface Assignment title – <u>The Project Plan</u> Learning Aim C - Develop and review a user interface Assignment Title – <u>Football Stadium Information System User Interface</u>	Assessment: Formative Assessment though verbal and written feedback from class work	Assessment: Component 2; Learning Aim A Learning Aim A - Investigate the role and impact of using data on individuals and organisations Assignment Title – <u>Data collection and Analysis</u>	Assessment: Component 2; Learning Aim B Learning Aim B - Create a dashboard using data manipulation tools Assignment Title – <u>The Dashboard</u>	Assessment: Component 2; Learning Aim C Learning Aim C - Draw conclusions and review data presentation methods Assignment Title – <u>Conclusion and Recommendations on the Analysis of the Data</u>	Assessment: