

Vocational ICT KS4 Curriculum

Vocational ICT KEY STAGE 4 Curriculum Intent:

Pupils will have an experience that focuses on applied learning, i.e., acquiring and applying knowledge, skills and understanding through purposeful tasks set in the IT sector or subject contexts that have many of the characteristics of real work.

They will explore a wide range of uses of hardware and software in the context of their use in society and the world of work. Pupils gain knowledge in the use of databases, spreadsheets and image editing software applications.

Year 10	Autumn Term		Spring Term		Summer Term	
Unit	Unit 1: ICT in Society Unit 2: ICT in Context		Unit 1: ICT in Society Unit 2: ICT in Context		Unit 1: ICT in Society Unit 2: ICT in Context	
Topics	[1] Computing Devices [1] Storage [1] Internal components [2] Image editing skills – Inkscape [2] task analysis [2] task success criteria [2] annotated designs	[1] Software [1] Online services [2] Image editing skills – Inkscape [2] Testing & Evaluation [2] Images mini project [2] Databases introduction	[1] Smart technology [1] AI [1] Autonomy [1] Immersive technology [1] MIS [2] Databases development	[1] e-commerce [1] assistive & emerging tech [2] Spreadsheet skills	[1] Quality of data & Checking data [1] File properties Networks [2] Spreadsheet skills	[2] Automated documents skills Start WJEC set assignment (task 4 – image design)
Cross-curricular links	Direct links and cross over to GCSE computer science topics		Links to Computer Science cultural, ethical content Business – use & application of technology	Business – use & application of technology Maths – calculations and functions in spreadsheets	Maths – calculations and functions in spreadsheets	Business – standard business documents
Interleaving of skills	Developing skills for all unit 2 tasks of analysis, success criteria and design			applying skills for all unit 2 tasks of analysis, success criteria and design		applying skills for all unit 2 tasks of analysis, success criteria and design
Literacy	Developing skills answering medium to longer answers with focus on structure difference between – describe, define, explain, analyse		Developing skills answering medium to longer answers with focus on structure difference between – describe, define, explain, analyse		Developing skills answering medium to longer answers with focus on structure difference between – describe, define, explain, analyse	
Numeracy	N/A		Use of spreadsheet formula & functions to analyse data		Use of spreadsheet formula & functions to analyse data	
Cultural capital	N/A		Understanding what is happening with technology in the wider world and the impacts that it will have		Understanding what is happening with technology in the wider world and the impacts that it will have	
Linking Curriculum to Careers	Transferable skills: project planning, image editing		Transferable skills: Information technology applied to streamline and support business. Use of databases as a business tool		Transferable skills: Use of spreadsheets and automated documents (mailmerge) as a business tool	
Assessment	Topic tests after each	Mini project – logo creation	Topic tests after each	Mini projects – spreadsheets, databases	Topic tests after each Mock 1	Live assignment task 4

Vocational ICT KS4 Curriculum

Vocational ICT KS4 Curriculum					
Year 11	Autumn Term		Spring Term		Summer Term
Unit	Unit 1: ICT in Society Unit 2: ICT in Context		Unit 1: ICT in Society Unit 2: ICT in Context		Unit 1: ICT in Society
Topics	WJEC set assignment (task 1 – databases) [1] Social engineering [1] Malware, emerging threats [1] Cyber resilience, data loss [1] Data protection	WJEC set assignment (task 2 – spreadsheets) [1] Security policies [1] Ethical, legal, cultural [1] environmental issues [1] Digital divide [1] Digital footprint	WJEC set assignment (task 2 – spreadsheets) Ongoing retrieval to review the unit content	WJEC set assignment (task 2 – spreadsheets) (task 3 – automated docs)	Ongoing retrieval and revision to review the unit content WJEC set assignment submitted.
Curriculum links	Computer Science – Cyber Security, legal, ethical Life curriculum – ethics Maths - spreadsheets		Maths – spreadsheets Business – automated (mail merge) docs		
Cross-curricular links	Life curriculum – staffing safe online Ethical, legal etc link to GCSE Computer Science				
Interleaving of skills	applying skills for all unit 2 tasks of analysis, success criteria and design – completing coursework units as delivered in year 10		applying skills for all unit 2 tasks of analysis, success criteria and design – completing coursework units as delivered in year 10		
Literacy	Developing skills answering medium to longer answers with focus on structure difference between – describe, define, explain, analyse		Developing skills answering medium to longer answers with focus on structure difference between – describe, define, explain, analyse		
Numeracy	N/A		Use of spreadsheet formula & functions to analyse data		
Cultural capital	Legal, ethical, cultural and environmental issues that result from the use of technology in the wider world and the impacts that it will have		N/A		
Linking Curriculum to Careers	Transferable skills: Cyber security knowledge – currently one of the largest growth sectors.		N/A		
Assessment	Unit 1 mock 2 using paper based exam		Unit 1 Assessment 1 st try Online platform practice environment Mock 2		Unit 1 assessment resit opportunity Unit 2 submit