INVEST	EXPERIENCE	EXPLORE	SHAPE	GROW	PURSUE
in the power of the written word	a range of cultures, histories and beliefs	the shared values of civilisation	society and our place within it	as instinctive readers, writers and orators	English beyond the classroom

Curriculum Sequencing Grid

Subject	WJEC Level 1/2 Vocational Award ICT (Technical Award)			Year	11	
	Term 1		**Term 2**		**Term 3**	
	HT1	**HT2**	**HT3**	**HT4**	**HT5**	**HT6**
Component	1.1.3 Services provided by IT 1.2.1 Why data must be fit for purpose	1.2.2 How input data is checked for errors 1.2.3 How data transfers over different types of network 1.2.4 Different types of connectivity	1.3.1 Risks to information held on computers 1.3.2 The impact of data loss, theft or manipulation on individiuals and businesses 1.3.3 Methods used to protect information 1.3.4 How moral and ethical issues affect computer users 1.3.4 How moral and ethical issues affect computer users 1.3.5 How legal issues protect computer users 1.3.6 The cultural, personal and environmental impact of ICT 1.3.7 How a digital footprint can impact computer users	Unit 1 Revision and Exam Technique	Unit 1 Revision and Exam Technique	
Developing Cultural Capital	Understanding new technology and how this can improve day to day living for individuals and businesses.	Understanding the wider application of ICT concepts to individuals and businesses.	Understanding the wider application of ICT concepts to individuals and businesses.	-	-	
Substantive Knowledge/ Disciplinary Knowledge	**Substantive Knowledge:** > Smart TVs | > Gaming | > Image capture and manipulation | > Webcam services | > Social networking | > Music and sound | > Mobile phones | > Banking | > E-commerce systems | > Payroll | > Modern mail handling methods | > Control processes | > Robotics and bionics | > Artifical intelligence and expert systems | > Online shopping | > Booking online | > Registration systems | > Management information systems | > Weather forecasting systems | > Remote storage technologies | > Online education | > Security sytems | > Accessibility | > Virtual reality | > 3D printing | > Wearable technology | > Cloud computing | > Emerging technologies > Data | > Information | > Knowledge | > Quality | > Encoding data | > File types | > Data compression | > File properties **Disciplinary Knowledge:** > Application of knowledge when attempting examination questions	**Substantive Knowledge:** > Data capture methods | > Validation | > Verification | > Errors and techniques to overcome these errors > Local Area Networks | > Wide Area Networks | > Protocols | > Topologies | > Internet | > Extranet | > Intranet | > Devices within a network | > Data transfer | > Threats to data transfer | > Cloud computing vs in-house servers > Connection methods | > Short range wireless connections | > Medium range wireless connections | > Long range wireless connections | Connection types **Disciplinary Knowledge:** > Application of knowledge when attempting examination questions	**Substantive Knowledge:** > Accidental damage | > Unintended disclosure | > Malware | > Hacking | > Social engineering | > Emerging threats > Financial implications | > Moral and legal implications | > Data manipulation | > Loss of service | > Loss of intellectual property | > Loss of reputation > Logical protection | > Physical protection | > Security policies | > Emerging technologies > Privacy | > Security | > Cookies | > Monitoring of individuals | > Impact of data loss > General Data Protection Regulation | > Data Protection Act | > Computer Misuse Act | > Communications Act | > Regulation of Investigatory Powers Act | > Copright, Designs and Patents Act | > Health and Safety Legislation > Employment patterns | > Retraining | > Working practices | > Teleworking | > Homeworking | > Videoconferencing | > Effect on transport | > Effect on traditional media | >Drones | > Green IT and non-green IT | > e-waste | > Rare earth element mining | > Globabl production lines | > Digital divide | > Social media use | > Net neutrality | > Mental health > Digital footprint | > Social media posts | > Online identity | > Identity theft **Disciplinary Knowledge:** > Application of knowledge when attempting examination questions	Combination of all the topics covered over Unit 1.		
Cross Curricular Links	Logical thinking Problem solving Digital literacy Post-16 pathways	Logical thinking Problem solving Digital literacy Post-16 pathways	Logical thinking Problem solving Digital literacy Post-16 pathways	Logical thinking Problem solving Digital literacy Post-16 pathways		
Vocabulary	Examination command words published and used by WJEC and vocabulary List by WJEC through textbooks, noted in a list:				**Link**	
Assessments	1.1.3 SPA Assessment 1.2.1 SPA Assessment	1.2.2 SPA Assessment 1.2.3 SPA Assessment 1.2.4 SPA Assessment Trial Examination	1.3.1 SPA Assessment 1.3.2 SPA Assessment 1.3.3 SPA Assessment 1.3.4 SPA Assessment 1.3.5 SPA Assessment 1.3.6 SPA Assessment 1.3.7 SPA Assessment	Trial Examination In-class questions and papers	Final Examination	