



	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
12	<u>Topic:</u> Unit 1: Information Technology Systems <u>Knowledge and skills</u> - Digital devices, their functions and use - Peripheral devices and media - Computer software in an IT system - Emerging technologies - Choosing IT systems - Connectivity	<u>Topic:</u> Unit 1: Information Technology Systems <u>Knowledge and skills</u> - Networks - Issues relating to transmission of data - Online systems - Online communities - Threats to data, information and systems - Protecting data	<u>Topic:</u> Unit 1: Information Technology Systems <u>Knowledge and skills</u> - Online services - Impact on organisations - Using and manipulating data - Moral and ethical issues - Legal issues <u>Unit 1 external exam</u>	<u>Topic:</u> Unit 3: Website Development <u>Knowledge and skills</u> - Purpose and principles of website products - Factors affecting website performance	<u>Topic:</u> Unit 3: Website Development <u>Knowledge and skills</u> - Website design - Common tools and techniques used to produce websites - Develop a website to meet client requirements	<u>Topic:</u> Unit 3: Website Development <u>Knowledge and skills</u> - Client-side scripting languages - Website development - Website review - Website optimisation - Skills, knowledge and behaviours
13	<u>Topic:</u> Unit 2: Cyber security <u>Knowledge and skills</u> - Internal threats - System Vulnerabilities - Legal responsibilities - Software and Hardware responsibilities	<u>Topic:</u> Unit 2: Cyber security <u>Knowledge and skills</u> - Network types - Network components - Network infrastructure services - Internal policies	<u>Topic:</u> Unit 2: Cyber security <u>Knowledge and skills</u> - Internal policies - Forensic collection of evidence - Systematic forensic analysis of suspected system - Unit 2 exam	<u>Topic:</u> Unit 4: Creating Systems to Manage Information <u>Knowledge and skills</u> - Relational database management systems - Manipulating data structures and data in relational databases - Normalisation - Relational database design - Design documentation	<u>Topic:</u> Unit 4: Creating Systems to Manage Information <u>Knowledge and skills</u> - Producing a database solution - Testing and refining the database solution - Database design evaluation - Evaluation of database testing	End of course.