Y13 OCR Cambridge Technicals in IT Unit 1 and Unit 2 Curriculum Progression Map

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Dates	Monday 5th September – Friday, 21 October 2022	Monday, 1 November – Wednesday, 21 December 2022	Monday, 9 January – Friday, 10 February 2023	Monday, 20 February – Friday, 31 March 2023	Monday, 17 April – Friday, 26 May 2023	Monday, 5 June – Friday, 19 July 2022 (until Y13 leave)
Weeks	8	7	7	6	5	6
Unit Title	Unit 1 Fundamentals of IT	Unit 1 Fundamentals of IT	Unit 2 Global Information	Unit 2 Global Information	Unit 2 Global Information	Unit 2 Global Information
Sequence	LO1 Computer hardware, components and connectivity methods Types of computer system Communications hardware Hardware troubleshooting Units of measurement Number systems Number conversion LO2 Types of software Application software, utility software and operating systems Communication methods Software troubleshooting Protocols LO3 Types of servers Virtualisation Network characteristics	LO3 (cont.) Connectivity methods Business systems LO4 Communication skills Communication technology Personal attributes and job roles Ready for work Professional bodies Industry certification LO5 Ethical issues Operational issues Threats Digital security Safe disposal of data and computer equipment	Re-cap Unit 1 and sit exam LO1 Holders of information Types of information storage media Types of information access and storage devices The Internet Types of world wide web technology networks World wide web information formats Accessibility of world wide web information formats Advantages and disadvantages for individuals of world wide web information formats Comparison of technologies LO2 Information styles and their uses Information classifications Quality of information Information management LO3 Data versus information Categories of information used by individuals/organistaions that hold information	LO3 (cont.) Stages of data analysis Data analysis tools Information system structure LO4 UK legislation and regulation relating to the storage and use of information Consolidation UK and global accessibility legislation relating to the storage and use of information Global information protection legislation and regulation Green IT LO5 Information sources and data types Data flow diagrams (DFD) Impacts affecting the flow of information in information systems	LO6 Principles of information security including the risks and impacts Protection measures and policies Physical and Logical protection measures Consolidation of protection measures Re-cap Units of work and exam.	Exam revision Past papers Q/A

Key Building Blocks	Learn new hardware and specifications. How hardware connects and works together. Different types of hardware being used. Troubleshooting Binary recap Types of software Communication methods Protocols Networks Network characteristics	Business Systems IT in the workplace Certification Security issues	Holders of Information WWW and The Internet Information styles and classification	Data and Information Categories of information Data analysis tools UK legislation	Information sources DFDs Information security Information security policies	Recap of Unit 2
Retrieval Practices	Demonstrations using AB Tutor Computer Control to ensure understanding of task - Verbal feedback throughout - Refer to presentation, create portfolio of evidence throughout the term - Computing clubs after school to support with understanding and recap - Do Now activities (where appropriate) - Exam questions (walk/talk/discussion and h/w)	- Demonstrations using AB Tutor Computer Control to ensure understanding of task - Verbal feedback throughout - Refer to presentation, create portfolio of evidence throughout the term - Computing clubs after school to support with understanding and recap - Do Now activities (where appropriate) - Exam questions (walk/talk/discussion and h/w)	Demonstrations using AB Tutor Computer Control to ensure understanding of task - Verbal feedback throughout - Refer to presentation, create portfolio of evidence throughout the term - Computing clubs after school to support with understanding and recap - Do Now activities (where appropriate) - Exam questions (walk/talk/discussion and h/w)	Demonstrations using AB Tutor Computer Control to ensure understanding of task - Verbal feedback throughout - Refer to presentation, create portfolio of evidence throughout the term - Computing clubs after school to support with understanding and recap - Do Now activities (where appropriate) - Exam questions (walk/talk/discussion and h/w)	Demonstrations using AB Tutor Computer Control to ensure understanding of task - Verbal feedback throughout - Refer to presentation, create portfolio of evidence throughout the term - Computing clubs after school to support with understanding and recap - Do Now activities (where appropriate) - Exam questions (walk/talk/discussion and h/w)	- Demonstrations using AB Tutor Computer Control to ensure understanding of task - Verbal feedback throughout - Refer to presentation, create portfolio of evidence throughout the term - Computing clubs after school to support with understanding and recap - Do Now activities (where appropriate)
Key Skills	Language & Vocabulary Written communication Analysis of given scenarios for Q/A	Language & Vocabulary Written communication Analysis of given scenarios for Q/A	Language & Vocabulary Written communication Analysis of Case study Analysis of given scenarios for Q/A	Language & Vocabulary Written communication Analysis of Case study Analysis of given scenarios for Q/A	Language & Vocabulary Written communication Analysis of Case study Analysis of given scenarios for Q/A	Language & Vocabulary Written communication Analysis of Case study Analysis of given scenarios for Q/A
Literacy	Written & Oral communication Tier 2 & 3 vocab development Key terms: Change management, Hybrid Cloud, Hypervisor, Internet of Things, Privacy Filter, RFID, Social Engineering, VOIP	Written & Oral communication Tier 2 & 3 vocab development Change management, Hybrid Cloud, Hypervisor, Internet of Things, Privacy Filter, RFID, Social Engineering, VOIP	Written & Oral communication Tier 2 & 3 vocab development Key terms: Data, Global divide, Green IT, Holder of information, information, information formats, information styles	Written & Oral communication Tier 2 & 3 vocab development Key terms: Data, Global divide, Green IT, Holder of information, information, information formats, information styles	Written & Oral communication Tier 2 & 3 vocab development Key terms: Data, Global divide, Green IT, Holder of information, information, information formats, information styles	Written & Oral communication Tier 2 & 3 vocab development
Numeracy	File size Compression DPI Binary	File size Internet speeds	Storage media	Data Information	Data Information	Data Information
Formative Assessment	Verbal feedback throughout each lesson Re-cap of task and assignment using Computer Control monitoring software	Verbal feedback throughout each lesson Re-cap of task and assignment using Computer Control monitoring software	Verbal feedback throughout each lesson Re-cap of task and assignment using Computer Control monitoring software	Verbal feedback throughout each lesson Re-cap of task and assignment using Computer Control monitoring software	Verbal feedback throughout each lesson Re-cap of task and assignment using Computer Control monitoring software	Verbal feedback throughout each lesson Re-cap of task and assignment using Computer Control monitoring software

Summative Assessment	End of unit (portfolio of evidence to revise) Exam questions.	End of unit (portfolio of evidence to revise) Exam questions. Mock.	End of unit (portfolio of evidence to revise) Exam questions.	End of unit (portfolio of evidence to revise) Exam questions.	End of unit (portfolio of evidence to revise) Exam questions. Mock.	Exam questions and past papers
Spiritual	Learners have opportunities to reflect/evaluate their work and consider their own progress and support the progress of others (SA/PA) whilst also building relationships. Learners have the opportunity to develop their knowledge and understanding of how IT systems have changed the way people go about their daily lives (including PCs, smartphones, tablets, laptops, use of servers, cloud, internet, world wide web, communication, ecommerce and advertising).					
Moral	Students learn about safe and responsible use of digital technology in the workplace and at home. Appropriate uses of software, malicious use of software and the damage it can cause to individuals and businesses. The safe and responsible use of IT.					
Social	Learners develop a range of technological skills that will prepare them for the challenges of living in a technologically-rich and interconnected world. Social issues that can affect users of IT, including the use and abuse of personal, organisational and private data, cyber bullying etc.					
Cultural	Learn how computers have developed over time into the devices they are familiar with today. Helping learners to appreciate that IT contributes to the development of our culture and to our highly technological future.					
Ethical	The ethical implications of the electronic storage and transmission of personal information. How IT can affect the quality of life experienced by persons with disabilities and the responsibility to meet individuals' access requirements.					
Economic issues	Making informed decisions about the choice, implementation, and use of IT depending upon cost and the efficient management of money and resources.					
Legislative issues	Copyright design and patents act, computer misuse act and data protection act (GDPR), Green IT, storage laws, accessibility and global information laws.					
British Values	Mutual Respect, Tolerance and The Rule of Law	Mutual Respect, Tolerance and The Rule of Law	Mutual Respect and Tolerance	Mutual Respect and The Rule of Law	Mutual Respect and The Rule of Law	
Gatsby 4	Networking, Software testing. IT Technician, Network Manager, programmer,	Networking, Software testing. IT Technician, Network Manager	Website Tester (software testing), Digital graphics designer, web content creator Data Analyst, IT Technician, Network Manager, IT security	Data Analyst, IT Technician, Network Manager, IT security	IT Technician, Network Manager, IT security	IT Technician, Network Manager, IT security