Stuart Bathurst Catholic High School

Computer Science, IT, Business and Digital Media Department
Long-term sequencing Year 12 CTEC IT

CURRICULUM INTENT: To provide a smooth transition from key stage 4 to key stage 5; to provide a knowledge-rich and balanced curriculum to support all learners through the course content, to enable students to "think like an IT professional" with the work-related topics in Unit 1; to continue from GCSE level to a higher level of understanding of computer systems such as hardware, networks, databases and the Internet; to improve numeracy and literacy skills through practicing the different types of questions that are required; to understand the impacts of digital technology to the individual and wider society, with particular attention paid to cultural, ethical and spiritual impact.

HALF TERM 1:	HALF TERM 2:	HALF TERM 3:
STUDENTS MUST KNOW: • Unit 1 LO1: Computer Hardware – the CPU, memory, storage and peripherals • Unit 1 LO2: Computer Software – operating system and applications • Unit 1 LO3: Networks and Systems – wireless and wired networks, LANs and WANs, how the Internet works, server types	**STUDENTS MUST KNOW:** • Unit 1 LO4: Employability and Communication – types of communications, both electronic and manual; skills required for increased employability, personal attributes • Unit 1 LO5: Security – physical and logical security, threats to data, legal issues • Revision for all five Unit 1 LOs	**STUDENTS MUST KNOW:** • Revision for Unit 1 exam • Unit 2 LO1: Devices and the Internet – types of data storage, Internet connectivity and technologies, holders of information • Unit 2 LO2: Information Styles and Quality – information classification, quality, MIS systems • Unit 2 LO3: Categories and analysis – Data vs Information, data analysis tools
HOW THIS WILL BE ASSESSED: Mini-assessment at end of each LO Weekly knowledge checkers and/or HW	**HOW THIS WILL BE ASSESSED:** Mini-assessment at end of each LO Full mock w/e 9/12/22 Weekly knowledge checkers and/or HW	**HOW THIS WILL BE ASSESSED:** Mini-assessment at end of first H/T Weekly knowledge checkers and/or HW
HALF TERM 4:	HALF TERM 5:	HALF TERM 6:
STUDENTS MUST KNOW: • Unit 2 LO4: Legislation – UK legislation (Data Protection Act, Computer Misuse Act etc.) and relevant international legislation (GDPR, UNCRPD), Green IT issues; ethical issues • Unit 2 LO5: Flow of Information – Data types, sources and flow diagrams	**STUDENTS MUST KNOW:** • Unit 2 LO6: Security and Protection – security principles, risks and protection measures. Privacy and ethical issues • Revision for Exams & Retakes • Examinations take place • Introduction to Unit 21 coursework – start LO1 (Analysis of similar websites)	**STUDENTS MUST COMPLETE:** • Unit 21 C/W LO1 (Analysis of similar websites) • Unit 21 C/W LO2 (Design of website) • Start building and documenting websites
HOW THIS WILL BE ASSESSED: Assessment w/e 24/3/22 (LO1-LO4) Weekly knowledge checkers and/or HW	**HOW THIS WILL BE ASSESSED:** Examinations May 2023 Ongoing assessment of each piece of coursework	**HOW THIS WILL BE ASSESSED:** Ongoing assessment of each piece of coursework

Home learning will consist of a combination of: Worksheets (written and online), exam questions, QLA revision, GCSEPOD, SENECA coursework, low stakes quizzes