The curriculum for this stage of students' education has been designed to introduce students to computer systems, how they work and their uses, both for personal and business use specifically web pages and spreadsheet modelling. The content of the specification has been followed to ensure that students have the required knowledge base whilst introducing the concept and skill of applying the use of IT systems. This builds on prior learning at Key Stage 3 in terms of the use of IT in everyday life, online safety and how individuals use IT. In KS5 students move on to study specific software applications and this year's work gives students an understanding of how and why businesses use IT before they put this in to practical use in Y13. Students are encouraged to support their learning with regular background reading in relation to advances in technology and legal, moral and ethical issues surrounding the use of IT.

HALF TERM 1: Component 2 Strand C	HALF TERM 2: Component 3 Impact of Modern Technology & Cyber security	HALF TERM 3: Legal and Ethical Issues / Planning and Communication
STUDENTS MUST KNOW: • Learners will use their design to produce a user interface. • Learners will refine their user interface using an iterative process with potential users. • Learners will review the success of the user interface and the use of their chosen project planning • techniques. **HOW THIS WILL BE ASSESSED:** Moderated Coursework .	**STUDENTS MUST KNOW:** • Modern technologies Understand how and why modern technologies are used by organisations and stakeholders to access and manipulate data. • Threats to data Learners should understand why systems are attacked, the nature of attacks and how they occur, and the potential impact of breaches in security on the organisation and stakeholders. • Policy Understand the content that constitutes a good security policy and how it is communicated to individuals in an organisation to ensure that potential threats and the impact of security breaches are minimised. **HOW THIS WILL BE ASSESSED:** Written externally assessed examination.	**STUDENTS MUST KNOW:** • Responsible use Learners should consider the responsible use of digital systems, including how systems and services share and exchange data as well as the environmental considerations of increased use. • Legal and ethical Learners should understand the scope and purpose of legislation (valid at time of delivery) that governs the use of digital systems and data, and how it has an impact on the ways in which organisations use and implement digital systems. • Planning and communication in digital systems Learners should understand how individuals in the digital sector plan solutions and communicate meaning and intention. They should understand how different forms of written and diagrammatical communication can be used to express understanding and demonstrate the flow of data and information. **HOW THIS WILL BE ASSESSED:** Written externally assessed examination.

HALF TERM 4: Final submission of Coursework / examination re-sits **HOW THIS WILL BE ASSESSED:** Written externally assessed examination.	HALF TERM : Examination re-sits	HALF TERM 6:

Embedding this knowledge can be supported by cross curricular experiences as well as developing computational thinking skills by use of programs such as Serif WebPlus and Microsoft Excel. Using the Micro-bit or getting a Raspberry Pi will also help develop programming skills and computational thinking.

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