Year 11 BTEC DIT Sequence

Year	Content Taught	National Curriculum Reference	Essential Knowledge	Assessment	Rationale
Year 11 BTEC DIT					
HT1	In this half term students will study a topic focused on: **Collecting, Presenting and Interpreting Data -**	**Component 2:** Draw conclusions and review data presentation methods	Interpret information and draw conclusions **Essential Knowledge Reading (For greater Depth)** **Focus:** Review/Conclusions from Data **Link:** https://www.enginess.io/ insights/how-to-better- draw-insights-from-data	**Formative** Students will complete retrieval exercises each lesson to review and recall knowledge from previous lessons and apply this knowledge to alternate scenarios to deepen understanding. **Summative** Students will complete a Teams based KO Test to summarise content. Within this half term students will use the developed essential knowledge in lessons and 'bring it all together', by completing the ICT based "design and create" coursework element.	This Essential Knowledge also builds on knowledge gained in Yr 10 and KS3. The digital sector is a major source of employment in the UK, with 1.46 million people working in digital companies and around 45,000 digital jobs advertised at any one time. Digital essential knowledge span all industries; almost all jobs in the UK today require employees to have a good level of digital literacy. The UK has positioned itself to be the 'digital capital of Europe' as it continues to invest billions every year in digital

| HT2 | In this half term students will study a topic focused on:

Effective Digital Working Practices | **Component 3:** Demonstrate knowledge of facts, terms, processes and issues in relation to digital information technology | Networks, cloud computing, collaboration, Working styles

Draws on essential knowledge learned in KS3 | **Formative** Students will complete retrieval exercises each lesson to review and recall knowledge from previous lessons and apply this knowledge to alternate scenarios to deepen understanding.

Summative Students will complete a Teams based KO Test to summarise content.

Within this half term students will use the developed essential knowledge in lessons and 'bring it all together', by answering the following style questions:

'Explain two issues that can affect network availability'

'What security issues might there be when using an open network?'

'State two performance issues you may have with an Ad hoc network.'

'Explain, giving an example, what a PAN is.' | essential knowledge and commerce.

Knowledge that underpins effective use of essential knowledge, process and attitudes in the sector such as how different user interfaces meet user needs, how organisations collect and use data to make decisions, virtual workplaces, cyber security and legal and ethical issues

Students will explore how organisations use digital systems and the wider implications associated with their use and also build on what they have used from the previous two units.
This external component builds on knowledge, understanding and essential knowledge acquired and developed across the qualification. It requires students to select and integrate knowledge and understanding synoptically from all components. This will help |

				Students will also complete a 'mock exam' consisting of the component 3 knowledge that has been developed so far.	students transition into key stage 5 with essential knowledge being foundational keys for CTEC IT.
HT3	In this half term students will study a topic focused on: **Effective Digital Working Practices**	**Component 3:** Apply an understanding of facts, terms, processes and issues in relation to digital information technology	Cyber Security. Malware, Hackers, – Unauthorised Access, Physical Security. Draws on essential knowledge learned in KS3	**Formative** Students will complete retrieval exercises each lesson to review and recall knowledge from previous lessons and apply this knowledge to alternate scenarios to deepen understanding. **Summative** Students will complete a Teams based KO Test to summarise content. Within this half term students will use the developed essential knowledge in lessons and 'bring it all together', by answering the following style questions: 'Explain two concerns that users might have about using cloud storage?' 'Explain two benefits of using cloud storage' 'What do programmers need to consider when providing interfaces for cloud services?'	

				'What parts of a device can affect the speed of the device?'	
				'Give 3 key benefits to using collaboration and communication software to manage a team.'	
				'Describe how collaborative technologies promote inclusivity'	
HT4	In this half term students will study a topic focused on: **Effective Digital Working Practices**	**Component 3:** Apply an understanding of facts, terms, processes and issues in relation to digital information technology Analyse, evaluate and make reasoned judgements about the use, factors and implications influencing digital information technology	Legal and Ethical issues, Legislation.	**Formative** Students will complete retrieval exercises each lesson to review and recall knowledge from previous lessons and apply this knowledge to alternate scenarios to deepen understanding. **Summative** Students will complete a Teams based KO Test to summarise content. Within this half term students will use the developed essential knowledge in lessons and 'bring it all together', by answering the following style questions:	

				‘Describe the impacts of people spending too much time on technology.’	
				‘Give two examples of how your mental health could be positively impacted by technology’	
				‘State a concern of young people using social media.’	
HT5	In this half term students will study a topic focused on: **Effective Digital Working Practices - E**	**Component 3:** Analyse, evaluate and make reasoned judgements about the use, factors and implications influencing digital information technology Make connections with the concepts, issues, terms and processes in digital information technology	Legal and Ethical issues, Legislation. Data Flow Diagrams, Flowcharts	**Formative** Students will complete retrieval exercises each lesson to review and recall knowledge from previous lessons and apply this knowledge to alternate scenarios to deepen understanding. **Summative** Students will complete a Teams based KO Test to summarise content. Within this half term students will use the developed essential knowledge in lessons and ‘bring it all together’, by answering the following style questions:	

				'Explain how advances in technology has changed peoples social lives.'	
HT6	In this half term students will study a topic focused on: **Effective Digital Working Practices - E**	**Component 3:** Make connections with the concepts, issues, terms and processes in digital information technology	Data Flow Diagrams, Flowcharts	**Formative** Students will complete retrieval exercises each lesson to review and recall knowledge from previous lessons and apply this knowledge to alternate scenarios to deepen understanding. **Summative** Students will complete a Teams based KO Test to summarise content. Within this half term students will use the developed essential knowledge in lessons and 'bring it all together', by applying knowledge from all of component 3 to prepare for the final exam.	