

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

HT2	In this half term	Component 3:	Networks, cloud	Formative	essential knowledge and
	students will study a	Demonstrate knowledge	computing, collaboration,	Students will complete retrieval	commerce.
	topic focused on:	of facts, terms, processes	Working styles	exercises each lesson to review	
		and issues in relation to		and recall knowledge from	Knowledge that underpins
	Effective Digital	digital information	Draws on essential	previous lessons and apply this	effective use of essential
	Working Practices	technology	knowledge learned in KS3	knowledge to alternate	knowledge, process and
				scenarios to deepen	attitudes in the sector such
				understanding.	as how different user
					interfaces meet user needs,
				Summative	how organisations collect
				Students will complete a Teams	and use data to make
				based KO Test to summarise	decisions, virtual
				content.	workplaces, cyber security
					and legal and ethical issues
				Within this half term students	
				will use the developed essential	Students will explore how
				knowledge in lessons and 'bring	organisations use digital
				it all together', by answering the	systems and the wider
				following style questions:	implications associated
					with their use and also build
				'Explain two issues that can	on what they have used
				affect network availability'	from the previous two
					units.
				'What security issues might	This external component
				there be when using an open	builds on knowledge,
				network?'	understanding and
					essential knowledge
				'State two performance issues	acquired and developed
				you may have with an Ad hoc	
				network.'	requires students to select
					and integrate knowledge
				'Explain, giving an example,	and understanding
				what a PAN is.'	synoptically from all
					components. This will help

				Students will also complete a	students transition into key
				'mock exam' consisting of the	stage 5 with essential
				component 3 knowledge that	knowledge being
				has been developed so far.	foundational keys for CTEC
HT3	In this half term	Component 3:	Cyber Security. Malware,	Formative	IT.
	students will study a	Apply an understanding of	Hackers, – Unauthorised	Students will complete retrieval	
	topic focused on:	facts, terms, processes	Access, Physical Security.	exercises each lesson to review	
		and issues in relation to		and recall knowledge from	
	Effective Digital	digital information	Draws on essential	previous lessons and apply this	
	Working Practices	technology	knowledge learned in KS3	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?'	
				storage:	
				'Explain two benefits of using	
				cloud storage'	
				_	
				'What do programmers need to	
				consider when providing	
				interfaces for cloud services?'	

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				'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:	

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				'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'	
				ceennology	
				'State a concern of young people	
				using social media.'	
HT5	In this half term	Component 3:	Legal and Ethical issues,	Formative	
	students will study a	Analyse, evaluate and	Legislation.	Students will complete retrieval	
	topic focused on:	make reasoned	Data Flow Diagrams,	exercises each lesson to review	
	topic locused off.	judgements about the	Flowcharts	and recall knowledge from	
	Effective Digital		FIUWCIIdi LS	-	
	Working Practices - E	,		previous lessons and apply this	
	WORKING FLACICES - L	implications		knowledge to alternate	
		influencing digital		scenarios to deepen	
		information technology		understanding.	
		Make connections with		Summative	
		the concepts, issues,		Students will complete a Teams	
		terms and processes in		based KO Test to summarise	
		digital information		content.	
		technology			
				Within this half term students	
				will use the developed essential	
				knowledge in lessons and 'bring	
				it all together', by answering the	
				following style questions:	
				Tonowing style questions.	

					'Explain how advances in
					technology has changed peoples
					social lives.'
HT6	In this half term	Component 3:			Formative
	students will study a	Make connections with	Data Flow	Diagrams,	Students will complete retrieval
	topic focused on:	the concepts, issues,	Flowcharts		exercises each lesson to review
		terms and processes in			and recall knowledge from
	Effective Digital	digital information			previous lessons and apply this
	Working Practices - E	technology			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.