Year 13 CTEC IT Sequence



Year	Content Taught	Reference	Essential Knowledge	Assessment	Rationale
Year 13 (CTEC IT				
HT1	Application Design,	Be able to investigate	Find client requirements	Formative	This Essential Knowledge
	will ask you to develop	potential solutions for	through interviews and	Students will complete	builds on knowledge
	and design an	application developments	questionnaires	retrieval exercises each	gained in both KS4 and
	application for a			lesson to review and recall	KS5. Information
	specific user to	Be able to generate designs	Create design solutions	knowledge from previous	Technology involves a
	interact with.	for application solutions	for app, including the	lessons and apply this	refreshing and exciting
			look and functionality.	knowledge to alternate	content, that's up to date,
				scenarios to deepen	engaging, fit for purpose
				understanding.	and suitable for the needs
					of students. Students who
				Summative	study IT will gain the right
				Students will complete a	combination of knowledge,
				Teams based KO Test to	understanding and
				summarise content.	essential knowledge
					required for the 21st
				Within this half term	century.
				students will use the	
				developed essential	Application Design, Project
				knowledge in lessons and	Management and Web
				'bring it all together', by	Design and Prototyping in
				completing the ICT based	Yr 13 builds upon essential
				"design and create"	knowledge gained in Yr 12

				coursework element for unit	Fundamentals and Global
				6 (interface)	Information and KS4 Year
					11 where students have
HT2	Application Design,	Be able to generate designs	Create design solutions	Formative	learned through studying
	will ask you to develop	for application solutions	for app, including the	Students will complete	Exploring User Interface
	and design an		look and functionality.	retrieval exercises each	Design, Collecting,
	application for a	Be able to present		lesson to review and recall	Presenting and Interpreting
	specific user to	application solutions to meet	Create application	knowledge from previous	Data and Effective Digital
	interact with.	client and user requirements	through using Access	lessons and apply this	Working Practices to
			database	knowledge to alternate	develop essential
				scenarios to deepen	knowledge, understanding
				understanding.	and how Digital
					Information is transmitted
				Summative	and kept safe. Students will
				Students will complete a	gain an insight into the IT
				Teams based KO Test to	sector as they investigate
				summarise content.	the pace of technological
					change, IT infrastructure,
				Within this half term	the flow of information on
				students will use the	a global scale, and the
				developed essential	importance of legal and
				knowledge in lessons and	security considerations.
				'bring it all together', by	This will allow the students
				completing the ICT based	to succeed in any career
				"design and create"	path they choose while
				coursework element for unit	using technology, along
				6 (interface)	with helping students to
					succeed in Higher
				External Moderation	Education as the
					qualification meets the
HT3	Project Management,	Understand the project life	Research different	Formative	requirements that today's
	will provide students	cycle	lifecycles and project	Students will complete	universities and employer's
	the opportunity to		methodologies for	retrieval exercises each	demand.

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	understand and use	Be able to initiate and plan	example Waterfall	lesson to review and recall	Student's will practically
	various project	projects	Method or Prince2 etc	knowledge from previous	apply their essential
	planning essential			lessons and apply this	knowledge in preparation
	knowledge and	Understand the	Plan the project using	knowledge to alternate	for further study,
	techniques, by	fundamentals of web design	planning tools e.g. Gantt	scenarios to deepen	apprenticeship or the
	creating a specific		Charts, PERT Charts and	understanding.	workplace
	project; thereby		timelines etc		
	enabling you to			Summative	Application Design will ask
	become more			Students will complete a	you to develop and design
	effective in the			Teams based KO Test to	an application for a specific
	workplace.		Research composition of	summarise content.	user to interact. This
			webpages and analyse		specifically builds on
	Web Design and		client needs through	Within this half term	essential knowledge in KS4
	Prototyping, will ask		interviews and	students will use the	Exploring User Interface
	you to develop and		questionnaires	developed essential	Design and Collecting,
	design a website for a			knowledge in lessons and	Presenting and Interpreting
	specific user to			'bring it all together', by	Data
	interact with.			completing the ICT based	
				"design and create"	Project Management will
				coursework element for	provide students the
				"project management" and	opportunity to understand
				"web design & prototyping"	and use various project
					planning essential
					knowledge and techniques,
HT4	Project Management,	Be able to initiate and plan	Plan the project using	Formative	by creating a specific
		projects	planning tools e.g. Gantt	Students will complete	project; thereby enabling
	Web Design and		Charts etc	retrieval exercises each	you to become more
	Prototyping,			lesson to review and recall	effective in the workplace.
		Be able to execute projects	Create project	knowledge from previous	This specifically builds on
			documentation including	lessons and apply this	essential knowledge in KS4
		Be able to plan the	associated risks eg	knowledge to alternate	Exploring User Interface
		development of an	Business Case etc	scenarios to deepen	Design.
		interactive website for an		understanding.	
		identified client			
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				Summative	Web Design and
				Students will complete a	Prototyping will ask you to
				Teams based KO Test to	develop and design a
				summarise content.	website for a specific user
					to interact with. This
				Within this half term	specifically builds on
				students will use the	essential knowledge in KS4
				developed essential	Exploring User Interface
				knowledge in lessons and	Design and Collecting,
				'bring it all together', by	Presenting and Interpreting
				completing the ICT based	Data.
				"design and create"	
				coursework element for	This will lead to students
				"project management" and	being able to gain future
				"web design & prototyping"	employment within the
					Computing sector, study
HT5	Project Management	Be able to carry out project	Evaluate project and	Formative	for an apprenticeship or
		evaluations	feedback to stakeholders	Students will complete	apply for university.
	Web Design and			retrieval exercises each	
	Prototyping,	Be able to plan the	Analyse project needs	lesson to review and recall	
		development of an	and create project plan	knowledge from previous	
		interactive website for an		lessons and apply this	
		identified client	Creating a prototype	knowledge to alternate	
			website, i.e.: setting	scenarios to deepen	
			structure adding content	understanding.	
		Be able to create prototype	inserting hyperlinks		
		websites for an identified		Summative	
		client		Students will complete a	
				Teams based KO Test to	
				summarise content.	
				Within this half term	
				students will use the	
				developed essential	

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				knowledge in lessons and
				'bring it all together', by
				completing the ICT based
				"design and create"
				coursework element for
				"project management" and
				"web design & prototyping"
HT6	Project Management	Be able to carry out project	Evaluate project and	Formative
		evaluations	feedback to stakeholders	Students will complete
	Web Design and			retrieval exercises each
	Prototyping,	Be able to present the		lesson to review and recall
		interactive website concept		knowledge from previous
		to an identified client	Present the website to	lessons and apply this
			the client using chosen	knowledge to alternate
			method. Consider future	scenarios to deepen
			maintenance.	understanding.
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				Summative
				Students will complete a
				Teams based KO Test to
				summarise content.
				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 for
				"project management" and
				"web design & prototyping"

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