

Year 11 Curriculum Overview Plan: Digital Information Technology

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Key Theme:	Key Theme:	Key Theme:	Key Theme:	Key Theme:	Key Theme:
Revision for	Revision for	Exam preparation	Revision for	Revision for	Exam preparation
Component 3 exam -	Component 3 exam -		Component 3 exam -	Component 3 exam -	
Learning aim A (Learning aim C (The	Revision for	Learning aim A (Learning aim C (The	Revision for
modern	wider implications of	Component 3	modern technologies)	wider implications of	Component 3
technologies) and	digital systems) and		and Learning aim B (digital systems) and	
Learning aim B (Learning aim D	Key Concepts,	cyber security)	Learning aim D	Key Concepts,
cyber security)	(forms of notation)	Knowledge & Skills		(forms of notation)	Knowledge & Skills
		to be Embedded:	Key Concepts,		to be Embedded:
Key Concepts,	Key Concepts,	-Ad hoc networks	Knowledge & Skills	Key Concepts,	-Ad hoc networks
Knowledge & Skills	Knowledge & Skills	- Cloud computing	to be Embedded:	Knowledge & Skills	- Cloud computing
to be Embedded:	to be Embedded:	- Collaborative	-Ad hoc networks	to be Embedded:	- Collaborative
-Ad hoc networks		working	- Cloud computing		working
- Cloud computing	- Password policy	- Disaster recovery	- Collaborative	- Password policy	- Disaster recovery
- Collaborative	- Disaster recovery	policies	working	- Disaster recovery	policies
working	policy	- Internal threats	- Disaster recovery	policy	- Internal threats
- Disaster recovery	- Acceptable use	- External threats	policies	- Acceptable use	- External threats
policies	policy	- Why systems are	- Internal threats	policy	- Why systems are
- Internal threats	-Software policy	attacked	- External threats	-Software policy	attacked
- External threats	-Environmental	- Impacts of a	- Why systems are	-Environmental	- Impacts of a
- Why systems are	issues	security breach	attacked	issues	security breach
attacked	- Flowcharts	- User access	- Impacts of a security	- Flowcharts	- User access
- Impacts of a	-Information flow	restrictions	breach	-Information flow	restrictions
security breach	diagrams			diagrams	



- User access	-Tables	- Backup recovery	- User access	-Tables	- Backup recovery
restrictions		and encryption	restrictions		and encryption
- Backup recovery		- Password policy	- Backup recovery		- Password policy
and encryption	Links to Prior	- Disaster recovery	and encryption	Links to Prior	- Disaster recovery
	Learning:	policy		Learning:	policy
	Flowcharts covered	- Acceptable use		Flowcharts covered	- Acceptable use
Links to Prior	at KS3 in	policy		at KS3 in	policy
<u>Learning:</u>	programming units.	-Software policy	Links to Prior	programming units.	-Software policy
Ad hoc networks,	Password policy	-Environmental	<u>Learning:</u>	Password policy	-Environmental
external threats and	taught at KS3 in Y7.	issues	Ad hoc networks,	taught at KS3 in Y7.	issues
cloud computing		- Flowcharts	external threats and		- Flowcharts
taught across KS3.		-Information flow	cloud computing		-Information flow
	Key Assessment	diagrams	taught across KS3.		diagrams
	<u>Pieces:</u>	-Tables			-Tables
Key Assessment	Mock exam - Nov			Key Assessment	
<u>Pieces:</u>	2022 - 1.5 written		Key Assessment	<u>Pieces:</u>	
	exam	Links to Prior	Pieces:	Practice test May	Links to Prior
<u>Feb 2022</u> -		<u>Learning:</u>		2022	<u>Learning:</u>
Component 3 exam -			March 2022 - Mock		
1.5 hours written	Tier 3 Vocabulary	Multiple topics	exam - 1.5 hours		Multiple topics
paper	<u>Vault:</u>	covered at KS3		Tier 3 Vocabulary	covered at KS3
	-data	including threats to		Vault:	including threats to
	-manipulation	computers,	Tier 3 Vocabulary	-data	computers,
Tier 3 Vocabulary	-Malware	flowcharts,	Vault:	-manipulation	flowcharts,
<u>Vault:</u>	-Virus	accessibility features,	Network	-Malware	accessibility features,
Network	-Trojan	data protection act	Ad-hoc	-Virus	data protection act
Ad-hoc	-Hacker	and password policy.	Cloud	-Trojan	and password policy.
Cloud	-Man in the middle		Remote	-Hacker	
Remote	- Phishing		Storage	-Man in the middle	



Storage	-Pharming	Key Assessment	Collaboration	- Phishing	Tier 3 Vocabulary
Collaboration	-Should surfing	Pieces:	Hacker	-Pharming	<u>Vault:</u>
Hacker	-Encryption		Phishing	-Should surfing	Network
Phishing	-Firewall	Exam - Feb 2022	Pharming	-Encryption	Ad-hoc
Pharming	-User access		Trojan	-Firewall	Cloud
Trojan	restrictions	Tier 3 Vocabulary	Malware	-User access	Remote
Malware	-Biometrics	Vault:	Virus	restrictions	Storage
Virus	-Password	Network	Firewall	-Biometrics	Collaboration
Firewall	-Environment	Ad-hoc		-Password	Hacker
	- Disaster recovery	Cloud	Reading Exposure:	-Environment	Phishing
Reading Exposure:	-Server	Remote	Component 3	- Disaster recovery	Pharming
Component 3	-Software	Storage	knowledge organiser	-Server	Trojan
knowledge organiser	-Data protection act	Collaboration	Miowicage organiser	-Software	Malware
Micage organiser		Hacker		-Data protection act	Virus
		Phishing	Revise BTEC Tech		Firewall
Revise BTEC Tech		Pharming	Award Digital		-data
Award Digital	Reading Exposure:	Trojan	Information		-manipulation
Information	Component 3	Malware	Technology Revision	Reading Exposure:	-Malware
Technology Revision	knowledge organiser	Virus	Guide	Component 3	-Virus
Guide		Firewall	Guide	knowledge organiser	-Trojan
Guide		-data			-Hacker
	Revise BTEC Tech	-manipulation	Strategies to enable		-Man in the middle
Strategies to enable	Award Digital	-Malware	new concepts,	Revise BTEC Tech	- Phishing
new concepts,	Information	-Virus	knowledge & skills to	Award Digital	-Pharming
knowledge & skills	Technology Revision	-Trojan	embed in long-term	Information	-Should surfing
to embed in long-	_,	-Hacker	memory:	Technology Revision	-Encryption
term memory:	Guide	-Man in the middle	Repetition, Retrieval		-Firewall
Repetition, Retrieval		- Phishing	exercises (DIN's),	Guide	-User access
exercises (DIN's),		-Pharming	chunking, low-stakes		restrictions



chunking, low-stakes	https://www.bbc.co.	-Should surfing	quizzing, true false,	https://www.bbc.co.	-Biometrics
quizzing, true false,	uk/bitesize/guides/zn	-Encryption	odd one out, false	uk/bitesize/guides/z	-Password
odd one out, false	xxh39/revision/1	-Firewall	facts,	nxxh39/revision/1	-Environment
facts,		-User access	retrieval, interleaving		- Disaster recovery
retrieval, interleaving		restrictions			-Server
	Chuatanias ta anabia	-Biometrics		Churchanian to amable	-Software
	Strategies to enable	-Password		Strategies to enable	-Data protection act
	new concepts,	-Environment		new concepts,	
	knowledge & skills	- Disaster recovery		knowledge & skills	Reading Exposure:
	to embed in long-	-Server		to embed in long- term memory:	Component 3
	term memory: Repetition, Retrieval	-Software		Repetition, Retrieval	knowledge organiser
	exercises (DIN's),	-Data protection act		exercises (DIN's),	
	chunking, low-stakes			chunking, low-stakes	
	quizzing, true false,	Reading Exposure:		quizzing, true false,	Revise BTEC Tech
	odd one out, false	Component 3		odd one out, false	Award Digital
	facts,	knowledge organiser		facts,	Information
	retrieval, interleaving			retrieval, interleavin	Technology Revision
		Revise BTEC Tech		g	Guide
		Award Digital			Strategies to enable
		Information			new concepts,
		Technology Revision			knowledge & skills
		Guide			to embed in long-
					term memory:
		Strategies to enable			Repetition, Retrieval
		new concepts,			exercises (DIN's),
		knowledge & skills			chunking, low-stakes
					quizzing, true false,



to embed in long-	od	dd one out, false
term memory:	fac	cts,
Repetition, Retrieval	ret	trieval, interleaving
exercises (DIN's),		
chunking, low-stakes		
quizzing, true false,		
odd one out, false		
facts,		
retrieval, interleaving		