	c Sequence:						
TOP	1			2			
	Cyber Security			Anima			
Topi	c Overview:						
by co and	This unit takes learners on a journey of discovery of techniques that cybercriminals use to steal data, disrupt systems, and infiltrate networks. The learners will start by considering the value their data holds and what organisations might use it for. They will then learn about social engineering and other common cybercrimes, and finally look at methods to protect against these attacks. Links Year 7: Networks, GCSE computing Unit 4 Networks						
Lesson Sequence:							
Less what reflet Less look will deep Less term Misu Less under a res what allow Less to a anti-netv Less unit strate. Nati	esson 1: You and your data - Learners are introduced to the unit to help them understand the value of data to companies. The focus will be on what data companies collect from their users and how they use it. They will be introduced briefly to the law regarding data protection and will effect on why cybercriminals might want to gain access to data. esson 2: Social engineering - The aim of this lesson is for learners to become aware of how humans can be a weak point in the system, as well as pooking at the social engineering tractics deployed by cybercriminals to dupe users into giving away data that could lead to further crime. Learners will be taken through the common social engineering techniques, completing exercises through the lesson to encourage them to think more leeply about the consequences of the scams and how to avoid becoming a victim. esson 3: Script kiddies - Learners explore the concept of hacking and the techniques used by hackers to exploit computer systems. They look at erms such as brute force attacks, hacktivists, script kiddies, and DDoS attacks. The lesson will conclude with the learners exploring the Computer Alisuse Act and the consequences of hacking. esson 4: Rise of the bots - The purpose of this lesson is to make learners aware of malware and the different categories of malware, as well as understanding how they work and the potential damage they can do. They will then be introduced to the key terms before being instructed to do research task to create a fact-based quick read on one type of malware they have learnt about. Learners will be introduced to web bots and viata task they perform on the internet. They will then be shown how bots are used in conjunction with malware and will be given a scenario that illows them to understand the hidden role of bots and what potential influence they could have on societal issues. esson 5: There's no place like 127.0.0.1 - The aim of this lesson is for learners to develop their understanding of the risks that cyberthreats pose on a network,						
Sequence of Lessons:			urces:			-	
		Knowledge Map:	9.1 Cybe	r Security Any other Resources:			
1	Lesson 1: You and your data	Assessmen	t:				
2	Lesson 2: Social engineering	Knowledge:		15 Multiple Choice questions			
3	Lesson 3: Script kiddies	Application of Knowledge:		Classwork and Strategy in the game			
4	Lesson 4: Rise of the bots	Supportive Reading:					
5	Lesson 5: There's no place like 127.0.0.1	BBC Bitesize		Malware and security - eSafety - KS3 ICT Revision - BBC Bitesize Chapter 2			
6	Lesson 6: Under Attack	Computing Complet e Revision &		Chapter 2 Available from: KS3 Computing Complete Revision			