ear Group: 11 Subject: Computer Science	Term: Spring 2020
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Topic	Key Learning points	Assessments
	forms of attack	An end of unit formal assessment
	• threats posed to networks:	carried out under exam conditions.
	>malware	
	>phishing	
	> people as the 'weak point' in secure systems (social engineering)	
	>brute force attacks	
	>denial of service attacks	
	>data interception and theft	
System	>the concept of SQL injection	
security	>poor network policy	
	identifying and preventing vulnerabilities:	
	>penetration testing	
	>network policies	
	>anti-malware software	
	>firewalls	
	>user access levels	
	>passwords	
	>encryption.	
	the purpose and functionality of systems software	An end of unit formal assessment
	• operating systems:	carried out under exam conditions.
	>user interface	
Systems	>memory management/multitasking	
software	>peripheral management and drivers	
	>user management	
	>file management	
	• utility system software:	
	>encryption software	
	>defragmentation	
	>data compression	
	>the role and methods of backup	