

Percentage	I can ...	Prove it!
	6.1 Network security threats	6.1 Describe the term 'Malware' 6.1 List and describe 2 types of network attack 6.1 Describe the network security term 'social engineering' 6.1 Why might SQL injections cause companies and their customers to become vulnerable?
 74%	Python Programming 3.8 Vowel remover program	3.8 Create a simple and short phrase, using python and the for loop, remove all vowels from your phrase.
 74%	6.0 Network Protocols	6.0 What is the purpose of assigning every network device a MAC address? 6.0 Describe the main difference between 32-bit and 128-bit IP addresses. 6.0 Describe what the meaning of the term 'packet switching'. 6.0 List and describe 3 network protocols that have not been mentioned above. E.g - FTP HTTP
 56%	Python Programming 3.7 The message analyser	3.7 Create a program that checks if certain letters are in a phrase. 3.7 E is the most popular letter in the English language, check for the letter E.
 56%	5.9 Network Topologies	5.9 Describe the main difference between a star network, and a mesh network. 5.9 A star network has a central server and network switch, but why could this be a detriment to the network? 5.9 List and describe one reason why the bus and ring topologies are prone to decreased network speeds 5.9 Build a network on Cisco packet tracer using the Star topology.
 38%	Python Programming 3.6 Creating number sequences	3.6 Use the for loop to create a number sequence of $5n+1$ 3.6 Use the for loop to create a number sequence of $-3n+2$



 <p>38%</p>	<p>5.8 Network hardware 5.7 Client-server and peer-to-peer networks</p>	<p>5.8 List and describe three network hardware devices used in a basic LAN or WAN 5.8 What are the two types of twisted pair cables? 5.8 What is the purpose of a network router? 5.7 List and describe two differences between client-server and P2P networks. 5.7 Explain which type of network is more expensive and why.</p>
 <p>20%</p>	<p>Python Programming 3.5 Loopy string program</p>	<p>3.5 Input a word into the program, use the 'for' loop to print out each letter in the word.</p>
 <p>20%</p>	<p>5.6 Network - WAN and LAN</p>	<p>5.6 Describe the meaning of the term 'LAN' 5.6 Describe the meaning of the term 'WAN' 5.6 WAN can connect using fibre, copper or telephone lines, but what are the wireless methods for connecting WANs? 5.6 List 2 PROs about using a LAN</p>



Key Words:

Hacking
Graphical User Interface
Tkinter
System Security
Security Threat
Network Policy
Encryption
Access Levels
Malware
Phishing
Spyware
Scareware
Brute Force Attack
Passive Attack
Insider Attack
Active Attack
Denial-of-Service Attack
Virtual Private Network
Consent



GCSE Computing

Summer 2

Learning Ladder

Year 9

