

5.2 - Learning Journey - Network Security



High Tunstall College of Science Curriculum Intent

Topic:	Communication and the Internet	Year:	11	Half Term:	1
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	Progress		
Key Ideas	R	A	G
Describe why network security is important			
Explain network-related validation and authentication techniques			
Describe security issues associated with cloud storage			
Describe common types of cyberattack and how to protect software systems from them			
Describe how network vulnerabilities are identified			

Lesson	Learning Focus	Assessment	Key words
1	Network security and its importance Authentication and Validation	OneNote work Socrative	Access Control, Availability, Confidentiality, Correctness, Denial of Service (DoS), Hacking, Malware, Network Security, Physical Security
2	Cloud (and other contemporary) storage and security	OneNote work Socrative	Back-up, Cloud, Hardware, Off-site, Internet, Storage, USB
3	Cyberattacks	OneNote work Socrative	Cyberattack, Eavesdropping, Phishing, Shoulder Surfing, Social Engineering, Unpatched Software, USB devices
4	Identifying vulnerabilities and how to protect against them	OneNote Socrative	Audit Trail, Code Vulnerability, Commercial Analysis Tools, Modular Testing, Network Policies, Penetration Testing, User Policies
5	End of topic Assessment	Examination questions	All of the above