Northolt High School
Scheme of Learning

Computer Science

Year group: 9	Term: 2	Unit duration: 6	Number of lessons: 9	Unit title: System Security

Assessment outcome: To understand security threats to computer systems and prevention measures to avoid them.	Fertile question? How do modern computer systems avoid unauthorised access to data and information?	
Key skills/concepts/knowledge that students should cover	**Start RAG**	**End RAG**
Malware and Viruses **Social engineering attacks** **DDoS - Distributed Denial of Service attacks** **Firewalls and network security**		

Stretch. Key skills/concepts/knowledge that students should cover **Create a plan for how to improve the security of the School computers to avoid unauthorised access both remotely and in person.**	**Literacy. Key vocabulary/subject terminology that students should cover** **Malware** **Trojan** **Worm** **Keylogger** **Phishing** **Tailgating** **DDoS** **Botnet** **Firewall** **Packet sniffing**
	Suggested materials teachers could/should use **TeachICT** **Computer Science Powerpoints/Worksheets**
	Key home learning tasks students should complete **Evaluate the security of your own devices and accounts and how they could be improved**