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

Assessment outcome: To understand the threats to computer systems and mitigation strategies to defend against them.	Fertile question? How do modern computer systems prevent unauthorised access to data?	
Key skills/concepts/knowledge that students should cover	**Start RAG**	**End RAG**
Malware and viruses - worms, trojans, keyloggers **Where does malware come from** **Social engineering attacks - phishing, spam** **DDoS attacks and other novel security threats** **The types of hackers and how cybersecurity firms prevent unauthorised access.**		

Literacy. Key vocabulary/subject terminology that students should cover

1. **Cloud**
2. **Software**
3. **Domain**
4. **DNS**
5. **Exploit**
6. **Breach**
7. **Firewall**
8. **Malware**
9. **Virus**
10. **Ransomware**
11. **Trojan**
12. **Worm**
13. **Bot**

Stretch. Key skills/concepts/knowledge that students should cover

To design a policy for a company or organisation to prevent users of its systems from compromising its security.

Suggested materials teachers could/should use

TeachICT
Computer Science Powerpoints/Worksheets

Key home learning tasks students should complete
To create a presentation of the risk of weak systems securities and the impact they can have in private homes and public institutions.