KESTEVEN AND SLEAFORD HIGH SCHOOL

Computing Scheme of Learning

Year 9 – Topic 6 – Cyber Crime

Intent – Rationale

Topic Intent: The purpose of this short unit is for students to gain an understanding of some of the threats to society and individuals from Cyber Crime, the laws that exists to protect us,and to reinforce the importance of E-Safety and responsible use of social media as they prepare for adult/professional life

Curriculum Intent: Using technology safely, responsibly and with a consideration of others, and using technology creatively in a range of relevant contexts, encouraging independence, reflection and literacy

KS3 PoS: undertake creative projects that involve selecting, using, and combining multiple applications… +

create, re-use, revise and re-purpose digital artefacts… understand a range of ways to use technology safely, respectfully, responsibly and securely…

Sequencing – what prior learning does this topic build upon?	Sequencing – what subsequent learning does this topic feed into?
• Year 7 Topic 1 (E-Safety)	• GCSE Computer Science (J276 1.4.1, 1.4.2 and 1.6.1) • A-Level Computer Science (H446 1.5.1) • Related assemblies/PSHS events
What are the links with other subjects in the curriculum?	**What are the links to SMSC, British Values and Careers?**
• PSHE	• M1, M2 & SO3 • BV4 & BV5
What are the opportunities for developing literacy skills and developing learner confidence and enjoyment in reading?	**What are the opportunities for developing mathematical skills?**

Directly linked to topic
   o https://www.ncsc.gov.uk/section/information-for-individuals-families
Wider Reading/Interest:
   o N/A
	• N/A

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Intent – Concepts

What knowledge will students gain and what skills will they develop as a consequence of this topic?
Know
• Understand some of the threats cybercrime poses to individuals and society (including identity theft, phishing/pharming and social engineering) and how to minimise the risks
• Understand some of the legislation in UK law that applies to data/technology, including GDPR, Computer Misuse Act and Copyright, Designs and Patents Act
Apply
• Be able to identify and describe some of the key cybercrime threats and recommend steps to reduce the risk
• Be able to describe how legislation protects our personal data and intellectual property, and deter and prosecute cybercriminals
Extend
• Investigate and use more advanced functions and conditional formatting in Excel

What subject specific language will be used and developed in this topic?	What opportunities are available for assessing the progress of students?
• **Cybercrime**: *any crime committed using technology/communication systems* • **Phishing**: *attempting to obtain sensitive information using a fake email* • **Pharming**: *attempting to obtain sensitive information using a fake website* • **Social Engineering**: *the use of deception to manipulate individuals into divulging confidential or personal information* • **Legislation**: *An Act of Parliament that creates a new law or changes an existing law*	• Classwork and starter/plenary quizzes • End of unit onscreen assessment

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Intent – Concepts

Lesson title	Learning challenge	Higher level challenge	Suggested activities and resources
1 Malware	Understand the impact of cybercrime, the different types of malware, emerging threats and how to minimise them		TBC
2 Social Engineering	Understand that people are the weakest part of any system, how criminals exploit this fact, and how to spot attacks and minimise risks		
3 Impact of Social Media	Understand the potential impact of social media use on future life/careers/relationships and how to use social media responsibly and safely		
4 Legislation	Understand the role of legislation in regards to technology, including data protection, computer misuse and copyright legislation	Understand the role of the Freedom on Information act	
5 Assessment			Onscreen