

Kit's Digital Fortress: Staying Safe Online

Learning objective: To understand the importance of secure passwords and identify common risks associated with online communication and data privacy.

Read each scenario carefully and use your knowledge of cybersecurity to provide the most secure advice. Think like a digital detective!

Word bank: Password · Phishing · Encryption · Privacy · Cybersecurity · Authentication · Secure · Algorithm

1. Kit is creating a new account to share his coding projects. He wants to use 'Monkey123' as his password. Explain why this is an insecure choice and suggest two ways he could make it stronger. (3 marks)

2. You receive an unexpected email from a stranger claiming you have won a competition and asking you to click a link to claim your £50 prize. Justify why you should not click the link and what action you should take instead. (3 marks)

3. Compare and contrast the risks of sharing your real name and home address online versus sharing your favourite hobby or a drawing you have created. (2 marks)

4. What might happen if someone managed to guess your password? Describe the potential consequences for your digital identity. (2 marks)

5. Explain why 'Two-Factor Authentication' (a code sent to your phone as well as a password) provides better security than a password alone. (2 marks)

6. If a friend suggests sharing a 'funny' photo of another classmate online without their permission, how would you respond? Explain your reasoning based on online etiquette and privacy. (2 marks)

Draw: Draw a 'Digital Shield' that protects a computer. Inside the shield, draw or write three symbols that represent good cybersecurity habits (e.g., a lock, a secret map, or a badge).



Extension challenge: Design a 'Password Policy' poster for your classroom. Create a set of three golden rules for classmates to follow to keep their school accounts safe from cyber threats. Use persuasive language to explain why these rules are essential.