

Class 4 Computing Assessment: Keeping Digital Data Safe

Learning objective: To understand the importance of cybersecurity, identify secure password practices, and recognise the risks of sharing personal information online.

Read each question carefully. Use the word bank provided to help you with your answers where appropriate. Write your responses in the spaces provided.

Kit the fox is an expert at digital security. Kit explains that when we use computers, we leave a 'digital footprint'. To stay safe, we must protect our login details, avoid clicking on suspicious links from unknown senders, and ensure that the information we share online is private. Just like a lock on a garden gate keeps our home safe, good habits keep our information secure from those who might try to access it without permission.

Word bank: Password · Cybersecurity · Phishing · Personal data · Encryption · Secure · Scam

1. Define the term 'cybersecurity' in your own words. (2 marks)

2. Kit suggests that a strong password should be complex. List two features that make a password difficult for a stranger to guess. (2 marks)

3. What is 'phishing' and why is it dangerous for a computer user? (3 marks)

4. If you receive an email from someone you do not know asking for your home address or school name, what is the most responsible action to take? Explain why. (3 marks)

5. Compare and contrast a public computer (like one in a library) and a private computer at home. Why does the level of caution need to change when using a public device? (4 marks)

6. Imagine a friend tells you they have shared their gaming account password with someone they met online because that person promised them free digital coins. Write a persuasive paragraph explaining to your friend why this is unsafe and suggesting a better way to handle the situation. (5 marks)

7. Justify why it is important to keep your 'digital footprint' as small as possible. What might happen if you share too much information on social platforms or game chats? (6 marks)

Draw: Draw a 'Safety Shield' that represents the different layers of cybersecurity. Label the shield with three key habits you have learned, such as 'Strong Passwords' or 'Private Information'.



Extension challenge: Total: /25. Extension Task: Research what 'two-factor authentication' (2FA) is. Write a short explanation for Kit the fox describing how this extra step acts like a 'second lock' on a door to keep accounts even safer.