

UNIT 39

PREVENTATIVE MEASURES

Objectives: at the end of the lesson, students will be able to:

1. learn and use key vocabulary related to preventative measures;
2. describe and explain preventative measures;
3. make recommendations for preventative measures based on given situations or problems.
4. argue for and against different preventive measures for identity theft.

Lead-in: Let's Talk!

1. How do people keep their computers safe?
2. Why would a company worry about security?

Vocabulary Building

Key Terms

Security breach – it refers to a security violation

Bug – a flaw in a computer program

Intruder – a person or program that attempts to access a network or computer without permission

Backdoor – is a hidden way to get by security in computers and programs, sometimes intentionally created

Keylogger – a type of trojan or virus that tracks what keystrokes are entered into a computer

Patch – a piece of code that is used to fix a flaw in a computer program

Firewall – a program that restricts access on a network

Pop-up – an advertisement that suddenly appears in a new window in an Internet browser

Authenticate – to make sure that it is legitimate

Audit log – a record of who has accessed a computer system and what actions they took

Attack – an attempt to get through computer security

Activity: Fill in the blanks with the correct words from the word bank.

authenticate	keylogger	attack	firewall	patch
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1. Management has to _____ the program before you download it.

2. A(n) _____ will record your password.

3. Without antivirus software, computers are open to a(n) _____.

4. Put up a(n) _____ to keep hackers out of your computer.

5. Download the _____ to make the program work correctly.

Reading

Jeff,

We have a real problem with network security at our office. The main concern is with the firewall on the router. Some of our new machines can't access the network. Even with the network password, it does not seem to work. I think we need to change the permissions settings. We want to deny unauthorized users, but permit our own machines!

I'm also looking for a new way to encrypt our email. We're using an outdated SSL connection and we need to upgrade. I'm worried that it can't authenticate communications from our mail server. I tried to check the audit log, but I couldn't log in.

Finally, I want to update our anti-virus software. Some of my employees found malware on their machines. We're worried about viruses entering our local network. How much damage could a virus cause to our network?

I'd really appreciate it if you could come down to the office. Does Friday afternoon work for you?

Thanks,
Sally.

Activity: Read the email. Then, complete the table.

Problem	Solution
1. _____ _____	Change firewall permission settings
The server has insufficient email encryption	2. _____ _____
3. _____ _____	Update the anti-virus software.

Speaking

Activity: Problem-Solving Debate

Organize a debate where students argue for and against different preventive measures for identity theft. For instance, one group might argue that using two-factor authentication is essential, while another group might suggest that regular password changes are more important.

Group Work Activity: Provide Recommendations

Example situation: There have been cases of financial fraud affecting customers.

Recommendations:

- Train About Fraud Prevention
- Use Secure Payment Methods
- Recheck Transactions
- Review Accounts Regularly

Situations: 1. Preventing Home Break-Ins; 2. Preventing Cyberbullying; 3. Preventing Identity Theft.

Home assignment

Students write and present advice columns on how to protect oneself from identity theft.