

Security, Privacy, and Safety chapter 16

16.1 Preventing Computer Threats

- 6670.57 Describe the importance of system maintenance and preventive measures, including the consequences of not taking preventive measures.
- 6670.64 Identify basic security risks inherent to computer hardware and software.
- 6670.65 Describe security best practices for businesses.
- 66970.66 Describe the importance of data backup media and strategies

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"You said I should spend more time with our children, so I turned their faces into icons."

16.2 Identity Protection and Technical Behavior

- 6670.01 Demonstrate positive work ethic.
- 6670.41 Examine social, ethical, and legal issues associated with information technology.
- 6670.42 Debate an ethical issue related to using computer and Internet technology.

16.3 Restricting Access to Personal Information

- 6670.41 Examine social, ethical, and legal issues associated with information technology.
- 6670.42 Debate an ethical issue related to using computer and Internet technology

Vocabulary:

- Adware
- Antivirus software
- Bot
- Censorship
- Completely automated public Turing test to tell computers and humans apart (CAPTCHA)
- Computer virus
- Computer worm
- Cookies
- Data vandalism
- Hacking
- Malware
- Phishing
- Ransomware
- Scareware
- Trojan horse
- e-mail filters
- Ethics
- Identity theft
- Online piracy
- pharming
- Gateway
- Passphrase
- Personal firewall
- Strong password
- Uninterruptable power supply (UPS)

9 Facts About Computer Security That Experts Wish You Knew (GIZMODO)

1. Having a strong password actually can prevent most attacks
2. Just because a device is new does not mean it's safe
3. Even the very best software has security vulnerabilities
4. Every website and app should use HTTPS
5. The cloud is not safe — it just creates new security problems
6. Software updates are crucial for your protection
7. Hackers are not criminals
8. Cyberattacks and cyberterrorism are exceedingly rare
9. Darknet and Deepweb are not the same thing