

Fluency in Computer Technology

LAP 12 – Computers and Society: Security and Privacy



Name _____

Period _____

Date Started _____

Date Completed _____

DoDEA Standards

- ◆ PT1p Understand plans and procedures for maintaining the security of information systems.
- ◆ PT5i Understand the ethical, cultural, and societal issues related to technology.

Objectives

- ◆ Identify the various types of security risks that can threaten computers.
- ◆ Describe ways to safeguard a computer.
- ◆ Know how a computer virus works and the steps individuals can take to prevent viruses.
- ◆ Understand how to create a good password.
- ◆ Explain why encryption is necessary.
- ◆ Know why computer backup is important and how it is accomplished.
- ◆ Discuss the steps in a disaster recovery plan.
- ◆ Understand ways to secure an Internet transaction.
- ◆ List ways to protect your personal information.

Resource Discovering Computers 2002 Chapter 12: Computers and Society: Security and Privacy

Time Frame 5 hours (suggested)

Introduction

This chapter identifies some potential risks to computers and software and the safeguards that schools, businesses, and individuals can implement to minimize these risks. Internet security risks and safeguards also are discussed. This chapter also presents actions you can take to keep your personal data private.

Assignments

Where appropriate and possible, written answers must be in complete sentences and keyed. Turn in completed activities as directed by instructor.

- _____ Read *Discovering Computers* (textbook) pages 12.1 – 12.37,
- _____ Complete ‘Issue: Personal Information For Sale’ on page 12.28. Respond to all the questions.
- _____ Complete ‘Issue: Cybersleuths To The Rescue’ on page 12.31. Respond to all the questions.
- _____ E-Revolution, page 12.37 “E-Environment Applied”. Complete either number 1 or number 2.
- _____ Learn It Online, page 12.41. Complete numbers: 1 “Web Guide”, 2 “Scavenger Hunt”, 3 “Who Wants To Be A Computer Genius?”, 5 “Career Corner” and 6 “Search Sleuth”.
- _____ Checkpoint, pages 12.42 – 12.43. Complete: “Label The Figure”, “Matching”, “Multiple Choice”, and “Short Answer”.
- _____ In The Lab, page 12.44. Complete numbers: 1 “Understanding Backup”, 2 “License Agreements”, 3 “Scanning A Disk” and 4 “Checking System Resources”
- _____ Web Work, page 12.45. Complete numbers: 2 “Keeping Your Computer Virus Free”. (print out and answer the questions) and 5 “In The News” Answer all three questions.

_____ Complete the Self Assessment below.

_____ Take Chapter 12 Test.

Self Assessment - "I/I can . . . "

- _____ identify the various types of security risks that can threaten computers.
- _____ describe ways to safeguard a computer.
- _____ know how a computer virus works and the steps individuals can take to prevent viruses.
- _____ understand how to create a good password.
- _____ explain why encryption is necessary
- _____ know why computer backup is important and how it is accomplished.
- _____ discuss the steps in a disaster recovery plan.
- _____ understand ways to secure an Internet transaction.
- _____ list ways to protect your personal information.