



## Computer Applications II

### LAP 6-Understanding the Internet

Name \_\_\_\_\_

Period \_\_\_\_\_

Date Started \_\_\_\_\_

Date Completed \_\_\_\_\_

#### DoDEA Standards

- ◆PT1e Demonstrate a sound understanding of the nature and operation of technology systems, both hardware and software
- ◆PT1h Apply trouble shooting techniques and processes
- ◆PT1k Know the characteristics and uses of operating, environments, and utilities
- ◆PT1l Know the characteristics and uses of communications and networking systems
- ◆PT1p Understand plans and procedures for maintaining the security of information systems
- ◆PT2a Engage in higher order thinking and will apply problem-solving strategies in purposeful ways, both in situations where the problem and desirable solutions are clearly evident and in situations requiring a creative approach to achieve an outcome.
- ◆PT2c Make informed choices among technology systems, resources, and services
- ◆PT4a Access information efficiently and effectively
- ◆PT5d Manage and direct one's own learning.
- ◆PT5j Demonstrate and advocate for legal and ethical behaviors among peers, family, and community regarding the use of technology and information.

#### Objectives

- ◆ Outline the development of the Internet from its roots as a government project
- ◆ Identify advisory organizations and how they facilitate Internet operations
- ◆ Define the major components of the Internet
- ◆ Describe how the Internet works
- ◆ Outline the development of the World Wide Web from Tim Berners-Lee's input
- ◆ Explain terminology related to navigating the Web
- ◆ Utilize online search engines to find information on the Web
- ◆ Describe the process of publishing to the Web
- ◆ Describe how e-mail works
- ◆ Differentiate among mailing lists, chat rooms, newsgroups, and message boards
- ◆ Explain measures to maintain security and privacy when using the Internet
- ◆ Identify the sources of commercialization on the Internet

#### Resource

Title: Computer Technology-Changes, Challenges, and Choices  
 Author(S): C. Norman Hollingsworth and Mary Carole Hollingsworth  
 Chapter 5: Understanding the Internet

**Time Frame**    5 hours

#### Introduction

Chapter 6 will provide some hands-on experience with the Internet. It will also offer an understanding between the World Wide Web and the Internet. You will understand terminology like POP (point of presence), packet switching, IP address, domain names and abbreviations, URL (uniform resource locator), HTTP (Hypertext Transfer Protocol), and hyperlinks.

### Assignments

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

\_\_\_\_\_ **Read:** Pages 138-161

\_\_\_\_\_ **Complete:** Multiple Choice questions 1-20 on pages 162-164

\_\_\_\_\_ **Complete:** True False questions 1-20 pages 164-165

\_\_\_\_\_ **Complete:** Technology in Context Questions 1, 2, 3, 4, 5 on pages 165

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

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\_\_\_\_\_ Identify the sources of commercialization on the Internet

**Please ask instructor for additional instructions**