IT Fundamentals Pro: Chapter 6.5 Networking Protocols

IT Fundamentals Pro: Chapter 6.5 Networking Protocols	
Grade	**11/12**
Unit of Study	**Information Technology Fundamentals**
Length of Unit	**63 Min**

Missouri Learning Standards	
15.1202-G7: Summarize and implement protocols (e.g., TCP/IP, IPX/SPX, NETBEUI, and DHCP)	

Unit 6.5: Learning Targets

I can:
• Describe basic internet protocols, including TCP/IP, UDP, DNS, HTTP, FTP, and DHCP.
• Describe common email protocols, including SMTP, POP3, and IMAP.
• Identify common HTTP methods, such as GET, POST, and DELETE.
• Interpret common HTTP status codes.
• Describe how networking devices transmit data to the right location on a network.
• Use the ipconfig command to find the following information for a workstation:
• Configure the following IP version 4 TCP/IP settings for a workstation to connect to the local network and the internet:

Intervention and Enrichment

Assessments

MLS (Learning Goal)	Description or Location
• 15.1202-G7	Ch. 6 Exam
	ITF+ (FC0-U61) Exam

Vocabulary

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Internet Protocol (IP)	Transmission Control Protocol (TCP)	User Datagram Protocol (UDP)	Domain Name System (DNS)
Hypertext Transfer Protocol (HTTP)	Hypertext Transfer Protocol Secure (HTTPS)	Simple Mail Transfer Protocol (SMTP)	Post Office Protocol 3 (POP3)
Internet Message Access Protocol (IMAP)	HTTP Method	Dynamic Host Configuration Protocol (DHCP)	Subnetting
Subnet Mask			

Instructional Materials

Video/Demo
6.5.1 Internet Protocols
6.5.2 Email Protocols
6.5.6 Subnetting
6.5.7 Explore Network Configuration Information
6.5.9 Configure TCP/IP Settings

Lab/Activity
6.5.8 Explore Network Configuration Information
6.5.10 Configure TCP/IP Settings

Additional Instructional Resources

6.5.3 Internet Protocol Facts
6.5.4 HTTP Methods and Status Codes
6.5.5 DHCP

Reflections for Future Revisions