

IT Fundamentals

Unit - Networking

Lesson 2.7.1 - Network Communication Basics

IT Fundamentals Objectives (FC0-U61)

Objective 2.7 - Explain basic network concepts.

- · Basics of network communication
 - · LAN vs WAN

Grade Level(s)

8,9

Cyber Connections

Networks & Internet

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Teacher Notes:

Network Communication Basics

LAN vs. WAN

The majority of networks can be placed into one of two categories: LANs or WANs. A *local area network* (LAN) covers a small area, with all of the computers connected via cables, wireless signals, or a combination of the two. LANs typically cover one building or a small group of nearby buildings. Home and small office networks are almost always LANs.

A wide area network (WAN) covers a large area, typically being composed of two or more LANs connected together. For example, all of the schools in a district may have a unique LAN per school but could be linked together to form a WAN. The abbreviation WLAN is not to be confused with a combination of LAN and WAN, instead it stands for wireless local area network.



