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**Activity**

Information Technology Infrastructure

MODULE 15: Networks

This **activity** was written for the Florida Public School System DIGITAL INFORMATION TECHNOLOGY (8207310) course. Funded by the Cyber/IT Pathways Program, Cyber Florida, and the Florida Department of Education.

# Module 15: Networks

## Activity: Information Technology Infrastructure

The student explores how an enterprise network infrastructure operates in a complex university environment.

## Standards Assessed

* **11.01** Demonstrate how to connect to the Internet and identify and describe web terminology, addresses and how browsers work.

## Teacher Notes

Students will watch a historical video (16 minutes and 31 seconds) recorded in 2013 by the USF Information Technology department. Although the video is old, the network concepts are relevant to today’s complex network environments.

In this two-part activity the student watches the video and takes notes. Then the student summarizes three concepts they have learned.

Many of the concepts covered in this video are complex. However, students will be able to identify several topics covered in the *Computer Networks* chapter of the accompanying textbook.

**USF IT Video: Introduction and Access Layer:** <https://www.youtube.com/watch?v=w78_OitDHiM>

## Estimated Student Completion Time

* 45 minutes to complete the activity

## Activity Rubric

Consider evaluating the student’s work based on measures of quality. For example, with a maximum of 4 Points Possible, the following could be applied to the activity:

* **1 Point Earned** = ***Needs Improvement*** (the student work did not meet more than 50% of the requirements and did not follow instructions)
* **2 Points Earned** = ***Developing*** (the student met between 50% and 75% of the requirements and generally followed the instructions)
* **3 Points Earned** = ***Sufficient*** (the student met between 75% and 90% of the requirements and clearly followed instructions)
* **4 Points Earned** = ***Above Average*** (the student met > 90% of the requirements and followed all instructions)

# Activity: Information Technology Infrastructure

**Student Instructions**: Follow the instructions for Part 1 and Part 2.

**Part 1: Watch the video on USF Infrastructure and take notes.**

This video was created by the University of South Florida IT department in 2013. Although the video is old, all Network concepts are relevant to today’s complex network environments.

USF IT Video: Introduction and Access Layer (16 minutes and 31 seconds) <https://www.youtube.com/watch?v=w78_OitDHiM>

**Part 2: Video Summary**

Many of the concepts covered in this video are complex. Several of the topics are covered in the *Computer Networks* chapter.

Write a summary of three concepts you learned in the video using Microsoft Word or other word processor application compatible with .docx files. Include the following paragraph structure:

* Main idea sentence
* 2-3 details
* Closing sentence