



Computer Science Virtual Learning

PLTW Computer Science Principles

April 16, 2020



Lesson: April 16, 2020

Learning Target:

Students identify ways that a web developer's decisions affect the user and ways that the user's decisions impact society.

Listen to the Daily Tech News:

Write your thoughts down in your notebook and discuss your thoughts with your friends and family.



Practice: Protocols & Bandwidth

- This Activity builds upon previous knowledge . Students may want to be certain that they have reviewed lessons from [April 7th](#), [April 8th](#), and [April 10th](#) before proceeding with this activity.

Practice: Protocols & Bandwidth

Click here and
Finish working
through the activity
for [2.1.3, Protocols
and Bandwidth](#)



Checkpoint



Be certain that you are writing the answers down to the questions in the activity in your notebook as you work. For example, did you answer this question in Part 5?

17. How much faster is Gigabit Ethernet than the bandwidth you observed in Step 14 using speedtest.net?

Your [Conclusion Questions](#) should also be answered in your notebook. Discuss your conclusion questions with your family and friends.



Quiz Time !!

Packets sent over the Internet are always addressed using which of the following information?

IP addresses

DNS domain names

TCP sequence numbers

HTTP URLs



The Correct Answer is.....

P addresses



You browse to the address `https://cs.stateuniversity.edu/kayla/example.html`. Which of these is LEAST likely to occur?

Your name server asks the `stateuniversity.edu` nameserver for the IP address of `cs.stateuniversity.edu`.

The contents of `example.html` are sent to many machines that are not under the control of either sender or receiver.

The nameserver for `stateuniversity.edu` sends a message indicating whether the `kayla` directory is available.

Your machine asks the web server at `cs.stateuniversity.edu` for the file `example.html` in the directory `kayla`.



The Correct Answer is.....

The nameserver for stateuniversity.edu sends a message indicating whether the kayla directory is available.



Tomorrow:

- **Start 2.1.4 HTML and CSS**