



COMPUTER SYSTEM SERVICING G10
QUARTER 2–WEEK 6: Computer Driver

Name of Learner: _____

Date: _____

Grade & Section: _____

Teacher: _____

MOST ESSENTIAL LEARNING COMPETENCY (MELC):

- Access OS and drivers’ updates/ patches in accordance with manufacturer’s recommendations and requirements (TLE_IACSS9-12ICCS-IIa-j-30)

Objectives:

1. Identify the steps in accessing and updating operating systems and drivers.
2. Comprehend the benefits of updates and patches.
3. Perform the process of updating software online.



TEACH ME

Learning Task 1:

Aren’t you wondering how complicated computers are? If you are curious about the process of how computers function from hardware to software, you will be surprised to the point that you will think it is nearly impossible. With that complexity of process, bugs or errors are not eliminated as 100% as we are expecting. Through testing and actual using of computers, we are experiencing these problems. So, in order for it to be addressed, updates through online means are done periodically especially to the newer versions of our Operating Systems.

How often does your computer/device perform software updates?

- | | |
|-----------------|----------------|
| • Everyday | • Once a year |
| • Once a week | • Twice a year |
| • Once a month | • Not at all |
| • Twice a month | • |

How helpful do updates are in your computer experience? Is it helpful or does it adds to computer problems and issues? Cite situation as reference.

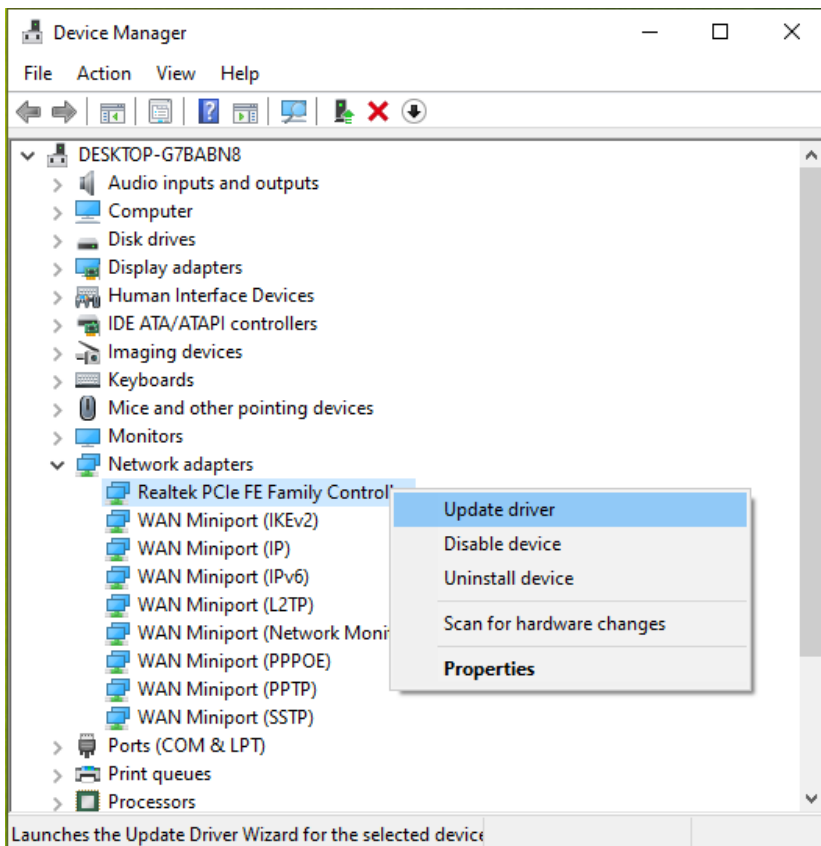
Learning Task 2:

If your computer has a hardware or software issue, it is likely to be a driver problem. This learner’s activity sheet will guide you to properly address this problem.

Computer driver is a piece of software that enables computers to communicate with devices such as USB flash drives, cellular phone, microphone, printer, video card, and similar things. It typically tells the operating systems on how to communicate properly on specific devices. In real life examples, it is hard to cut pineapples with a spoon or eat cereals with a knife. So as the driver, which

keeps the instruction accurate for specific devices to function properly when attached to a computer. Sometimes you see your monitor a bit blurry, maybe your graphics card driver is not installed.

*Just beware of downloading online because some websites contain malicious software which harm your PC. As much as possible, download from manufacturer's website.



Some drivers are easily detected and installed to

your computer when you first plug it in like your USB flash drives, but some are not the same way. There are devices such as printers, video cards, sound cards, or even the motherboard that requires the driver to function properly. You can find a device driver in a form of CD/ DVD attached in your brand-new device or if not available, you can search and download it online.

Accessing Drivers

You can access the drivers of specific hardware by going to the device manager in your computer. You can see all the devices and which of them are not properly installed or need updating. You can open

it by right clicking the start button and go to device manager or just search it to your pc.

You can double click each manufacturer and model of each device and update the driver if available online.

Operating System Updates

In Windows 10, computers update periodically which includes patches and drivers for several hardware or software in your PC. If it is connected to the internet, your PC automatically downloads and installs updates whenever available. But in case you want it to be done manually, you follow these steps.

1. Click Start
2. Open Settings
3. Click Update and Security
4. Click on Windows Update
5. Click the Check for updates button (if applicable)
6. Click the View optional updates (for drivers and other applications)

Once you complete the steps, the newer driver will download and install automatically on your device.

Patches

These are pieces of code to replace some existing code on your computer. These serve as fixes for errors that need to be corrected. Modern software such as Windows Operating systems are so complicated to make so mistakes and glitches do happen, then, there comes the patches.

Most of the time, patches come from updates from your operating system to the drivers and other applications. The word patches and updates are now used interchangeably.



LEARN MORE

Learning Task 3:

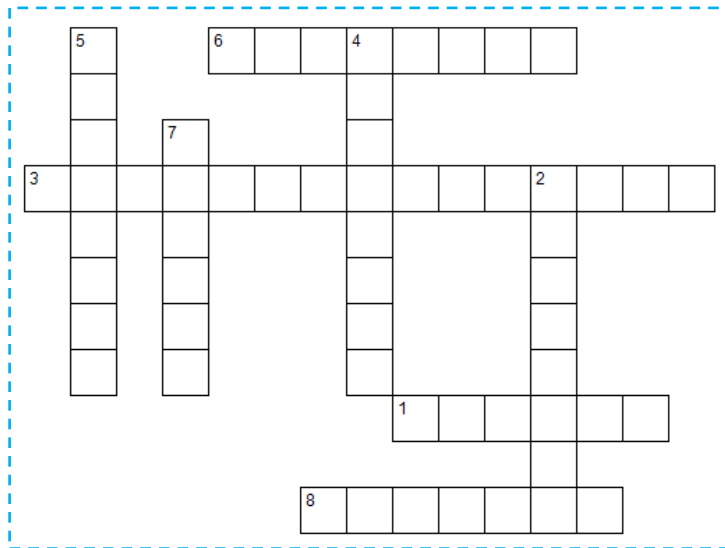
A. Fill-up the crossword puzzle with words related to the topic.

Across:

1. bringing something up-to-date
3. Windows/ Linux/ MAC/ Android
6. physical computer components
8. pieces of code that serve as fixes

Down:

2. computer program used by computer
4. copy data over the internet
5. electronic device for storing/processing data
7. software to communicate with devices



Learning Task 4: Assimilation

1. Why is it important to manage computer updates regularly?

2. How are you going to update the computer drivers manually?



EVALUATE NOW

SUMMATIVE ASSESSMENT:

A. WRITTEN TASK:

Direction: Read the following statements and decide whether they are correct or not. Write **TRUE** if the statement is correct and **FALSE** if otherwise.

- _____ 1. You can update your operating system manually through online connection.
- _____ 2. Computer driver issues can be addressed by replacing the piece of hardware.
- _____ 3. Updates can cause operating systems to malfunction.
- _____ 4. Patches can be a solution to hardware or software issues.
- _____ 5. Graphics card needs a driver to function properly.

Direction: Answer the following questions/ statements below. Choose the best answer on the options provided after each item. Write your answer on the space provided before each number.

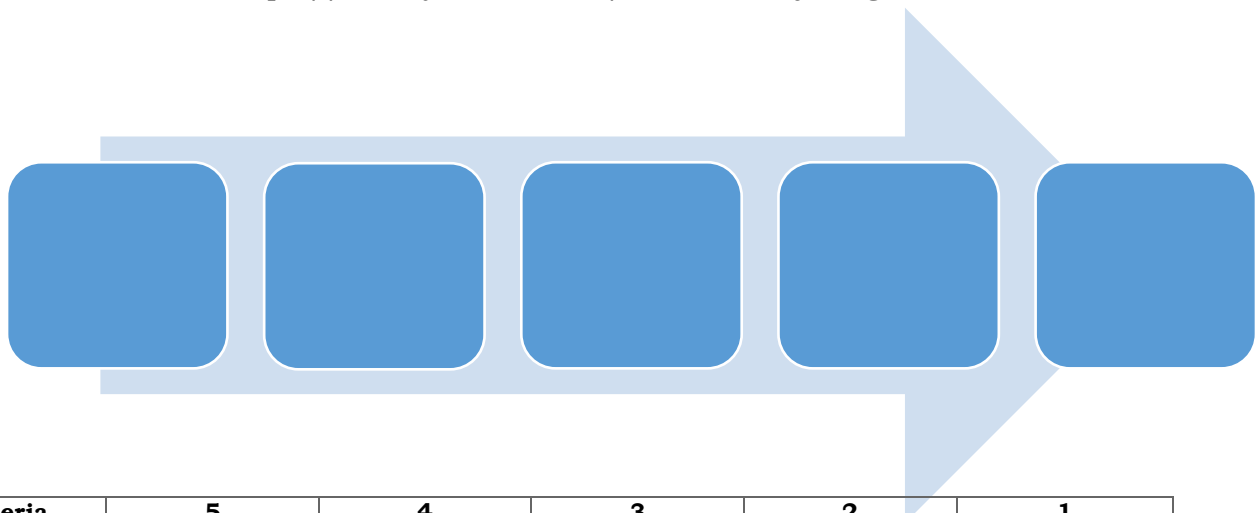
- _____ 6. It is a piece of software that enables computers to communicate with devices.
 - a. bugs
 - b. drivers

- c. patches
- d. update

- _____7. These are pieces of code to replace some existing code on your computer.
- a. downloads
 - b. drivers
 - c. files
 - d. patches
- _____8. All are ways to install/ update drivers to your PC EXCEPT _____.
- A. Download the driver online through the manufacturer's website.
 - B. Download drivers online through device manager.
 - C. Use CD/DVD drives provided by the manufacturer.
 - D. Use the task manager to check if the driver is available for download.
- _____9. All are ways to open device manager EXCEPT _____.
- A. Click Start and type device manager.
 - B. Click Start, type SECURITY, and select device manager.
 - C. Right click the task bar and select device manager.
 - D. Right click the Start button and select device manager.
- _____10. What are the other terms used today that replace patches?
- A. driver
 - B. update
 - C. process
 - D. downloads

B. PERFORMANCE TASK

Directions: Update your operating system manually referring to the process discussed above. Make sure that you do it properly and avoid misleading processes. Use the diagram below to show the steps on how to perform it. If PC is not available, refer to the process discussed above or check the link for reference. <https://www.youtube.com/watch?v=53jhGJgh51k>



Criteria	5	4	3	2	1
Organization	Write-up process follows the correct arrangement of ideas. It is easy to understand, follow, clear, and precise.	Write-up process follows the correct arrangement of ideas. It is easy to understand and follow.	Write-up process follows the correct arrangement of ideas. It is easy to understand.	Write-up process follows the correct arrangement of ideas. It is fairly easy to understand.	Write-up process is unorganized, difficult to understand and follow. It is visually unappealing.
Content	The data presented have 100% accuracy.	The data presented have 80-99% accuracy.	The data presented have 60-79% accuracy.	The data presented have 40-59% accuracy.	The data presented have 40% below accuracy.

References:

<https://www.windowscentral.com/how-properly-update-device-drivers-windows-10>

<https://www.techwalla.com/articles/how-to-check-if-my-drivers-are-up-to-date>

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