DIVISION OF GEN. TRIAS CITY

Project ISuLAT – ACTIVITY SHEETS in Technology and Livelihood Education 10 (TLE)
(Intensified Support to Learning Alternatives Through Activity Sheets)

COMPUTER SYSTEM SERVICING G10
QUARTER 3 – WEEK 5: INSTALLING ANTIVIRUS SOFTWARE

Name of Learner: _____   Date: _____
Grade & Section: _____   Teacher: _____

MOST ESSENTIAL LEARNING COMPETENCY (MELC): Install Application Software based on software installation guides, end-user requirements and software license agreement. *TLE_IACSS9-12ICCS-IIIa-e-31*

Objectives:
1. Identify the benefits of using Antivirus program
2. Learn how to install an Antivirus software
3. Develop the student's decision-making skills by challenging the student's thinking skills on why there is a need to install any Anti-malware

TEACH ME

Learning Task 1:

For as long as computers have been and will be in existence, whether connected to the Internet or not, there will always be a need for antivirus software. Some viruses are distributed through emails, free programs or pop-up messages. If you insert removable media like CD/DVD or USB which get infected with virus, it may set your files to delete or corrupt. Sometimes, dangerous malicious software would completely damage the system, compromise security or erase essential information. That is why it is important to have good Antivirus software to detect and remove viruses before they do harm in your computer.

List down at least five (5) Antivirus Software. **(Example: AVIRA)**

1. _____
2. _____
3. _____
4. _____
5. _____

Learning Task 2:

Malware is the general term for malicious software. This can include things like viruses, worms and spyware. It can do a lot of damage like erasing files, denying access to files, creating pop-ups, turning the computer into a spam email server and disabling the computer completely. Malware spreads through email attachments, USB drives and programs downloaded on the Internet.

Antivirus software is a program or set of programs that are designed to prevent, search for, detect, and remove software viruses and other malicious software.

The importance of antivirus software is mostly forgotten by many. But this must be a necessary investment since it protects you from losing data from corrupted files or from hackers. Serious effects like antivirus stop working, your files automatically deleted, your internet connection becomes very slow, task manager disable, even sometimes your window crashes happen because of malware programs.

What Does Antivirus Software Do?

Several different companies build antivirus software and what each offer can vary but all perform some essential functions:

- Scan specific files or directories for any malware or known malicious patterns
- Allow to schedule scans to automatically run
- Allow to initiate a scan of a particular file or your entire computer, or of a CD or flash drive at any time.
- Remove any malicious code detected – sometimes you will be notified of an infection and asked if you want to clean the file, other programs will automatically do this behind the scenes.
- Show the 'health' of your computer

Benefits of Using Antivirus Software
1. It protects you from becoming a victim of identity theft and cybercrimes.
2. It keeps your data from being corrupted, which will save you a lot of time and effort.
3. Antivirus programs can speed up your computer, as they will also declutter cached threats.
4. It protects your shared networks from virus attacks.

Quick Tips in Choosing the Best Antivirus Software
1. Know the level of threat that you can potentially face with viruses by determining how you mainly use your device.
2. Determine which antivirus software is less taxing for your device. This means that you should select antivirus software which requires minimal work from your computer.
3. Make sure that you are getting what you pay for. Read reviews and conclude that the prices are reasonable.

Examples of Antivirus Software
1. **Bitdefender**
    - highly rated virus detection capabilities
    - surf the web safely and anonymously
    - extend battery life on laptops and tablets
    - chat safely in popular social networks
2. **Norton**
    - detect viruses without false flaggings
    - backup data and store it in the cloud
    - protect your usernames and passwords
    - prevent and recover from identity theft
3. **Bullguard**
    - scan your system fast and accurately
    - efficient and intuitive user interface
    - spot online scams before it is too late
    - elegant and easy to master user interface
4. **McAfee**
    - protection for any number of devices
    - removes malware
    - prevent scam attempts from reaching you
    - store your documents in an encrypted folder
5. **Panda**
    - prevent virus infections from USB drives
    - identify risks in public Wi-Fi networks
    - strong encryption for your private files
    - clean up and optimize your computer

How to Install an Antivirus Program
1. If you purchased the antivirus program from a retail store, insert the CD or DVD into the computer's disc drive. The installation process should start automatically, with a window opening to help guide you through the install process.
2. If you downloaded the antivirus program on the Internet, find the downloaded file on your computer. If the downloaded file is a zip file, unzip the file to extract and access the installation files. Look for a file named *setup.exe, install.exe,* or something similar, then double-click that file. The installation process should start, with a window opening to help guide you through the install process.
3. In the installation process window, follow the steps provided to install the antivirus program. It provides recommended options so the antivirus program will function properly. The only exception is if the process recommends installing any toolbars for Internet browsers or other helpful programs for your computer. If prompted to install other software along with the antivirus program, uncheck all boxes or decline the installation of those extra programs. No additional programs should be needed for the antivirus program to install and run successfully on your computer.
4. When the installation process is complete, close the window.
5. If CD or DVD is used, remove it from the computer's disc drive.
6. Restart your computer so that any modified settings in the operating system can take effect correctly.
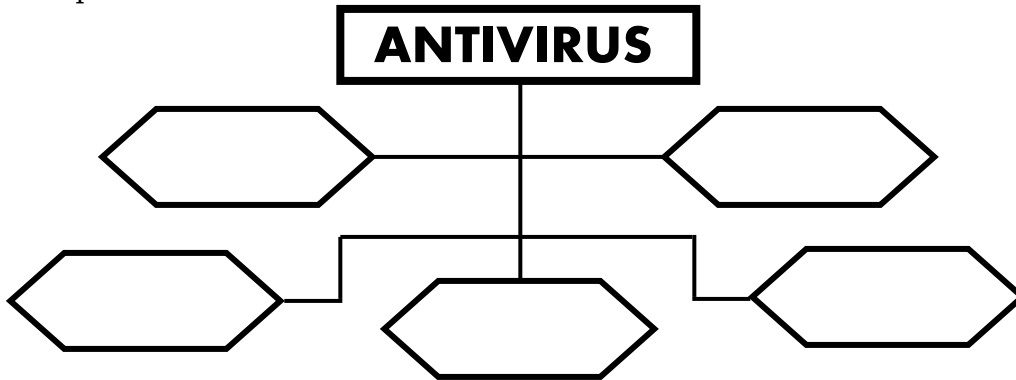7. The antivirus program is now installed and ready to use.

Note: After installing the antivirus program, it is highly recommended to update it with the latest virus and spyware definitions. The updates allow the antivirus program to protect your computer from all viruses and spyware. Be clear that only installing an antivirus is not sufficient for your security. You must update it regularly.

LEARN MORE

Learning Task 3:
Directions: Complete the chart by writing terms related to the word "ANTIVIRUS". You may add more hexagon shapes if needed.

ANTIVIRUS

Learning Task 4:
Directions: Answer the following questions briefly and correctly.
1. Who among you has a laptop or desktop? Can you share your experience about using it?
   _____
   _____
   _____
2. Are there any instances that your files have been corrupted because of a virus? What did you do?
   _____
   _____
   _____
3. Is there a need to install Antivirus software in your computer? What benefits did you think may get from it?
   _____
   _____
   _____

EVALUATE NOW

SUMMATIVE ASSESSMENT
A. WRITTEN TASK
I. Directions. Read each question and their corresponding answers carefully and completely. Choose the answer that best fits the statement.

_____1. Which of the following is harmful for computers?
   A. Antivirus   B. 2 GHz   C. Shareware   D. Virus
_____2. Which of the following is a program or set of programs that are designed to prevent, search for, detect and remove software viruses, and other malicious software?
   A. Antivirus   B. Malware   C. Software   D. Virus
_____3. Which of the following antivirus software helps the user to surf the web safely and anonymously?
   A. Bitdefender   B. McAfee   C. Norton   D. Panda
_____4. Which of the following antivirus software stores documents in an encrypted folder?
   A. Bitdefender   B. McAfee   C. Norton   D. Panda
_____5. Which of the following antivirus software identifies risk in public Wi-Fi networks?
   A. Bitdefender   B. McAfee   C. Norton   D. Panda

II. Directions. Write TRUE if the statement is correct and FALSE otherwise.
_____1. To protect a computer from viruses, you should install an antivirus in your computer.
_____2. The antivirus software protects you from becoming a victim of identity theft and cybercrimes.
_____3. Antivirus programs can speed up your computer, as they will also declutter cached threats.
_____4. Malware is the general term for malicious hardware.
_____5. After installing the antivirus program, it is highly recommended to buy it with the latest virus and spyware definitions.

B. PERFORMANCE TASK

Directions. Research on the different examples of Antivirus software. Fill in all the details needed on the table.

Antivirus Software	Date of Released	Special Features	Logo
1.			
2.			
3.			
4.			
5.			

Rubrics for Scoring				
	4	**3**	**2**	**1**
Following directions	All directions were followed.	You followed most directions.	You followed some directions.	None of the directions were followed.
Use of creativity	You used your own ideas and imagination	You used your own ideas most of the time.	You used some imagination.	You did not use your own ideas or imagination.
Effort	You took your time and worked hard	You worked hard for most of the time	You put a small effort	You rushed through and did not work hard
Quality of work	Very clear, complete and concise.	Clear, mostly complete and concise	Mostly clear and could be a little more concise	Unclear, incomplete and not concise

References:

https://www.safetydetectives.com/blog/how-to-install-an-antivirus-software/
https://study.com/academy/practice/quiz-worksheet-what-is-antivirus-software.html
https://www.techtricksworld.com/why-is-antivirus-protection-important-for-your-computer/
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