



COMPUTER SYSTEM SERVICING G10
QUARTER 2–WEEK 2: Installing Windows 7

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

MOST ESSENTIAL LEARNING COMPETENCY (MELC):

- Install Operating System (OS) in accordance with established installation procedures and to comply with end-user requirements. TLE_IACSS9- 12ICCS-Ia-e-28

Objectives:

- 1. Identify what are the things that needs to be considered before installation
2. Identify the features and different editions of Windows 7
3. Learn how to reformat a computer using Windows 7 Operating System

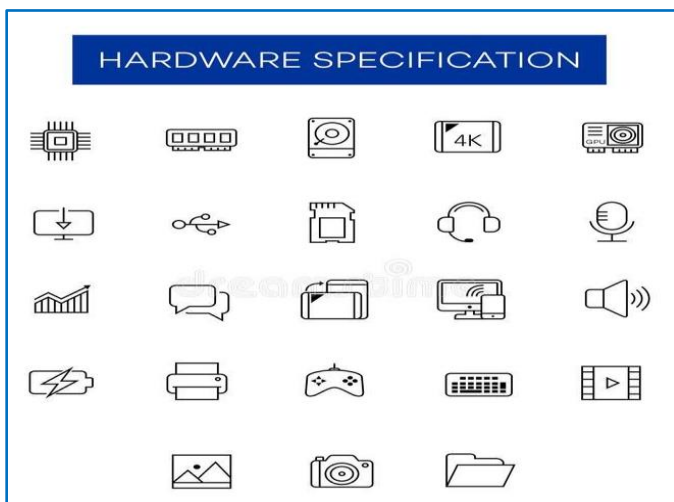


Learning Task 1:

As a person who studies and practices technology, you must be able to know the variations or options in installing an operating system that is compatible with the hardware requirement of a personal computer.

Checking a computer’s technical specs might be necessary when it comes to installing new software, programs, or games. It might be pretty much useless to play a game or run a program if your computer is not capable of supporting its requirements. It is always an advantage to know the full information about your hardware.

Choose the icon/ symbol that represents the given hardware specifications.



- 1. Intel ® Core ™ i5-4570 CPU @ 3.20 GHz
2. Zeus Z-100 2.1 Multimedia Speaker 3D Sound System
3. Kingston HyperX Fury 4GB 2400MHz DDR4
4. A4TECH HS-SP Internet Headset with Mic
5. NVIDIA GeForce

https://www.dreamstime.com/illustration/computer-specification.html

Learning Task 2:

Windows 7

Windows 7 (codenamed Vienna, formerly Blackcomb) is a personal computer operating system developed by Microsoft. It is a part of the Windows NT family of operating systems. Windows 7 was released to manufacturing on July 22, 2009 and reached general retail availability worldwide on October 22, 2009. Windows 7 is preceded by Windows Vista and succeeded by Windows 8.

Features of Windows 7

Aero

Aero is an interface that makes your visual interactions with the desktop fun and easy.

- Aero Peek makes your open windows transparent so you can see your desktop. It also allows you to peek at items in your taskbar for a thumbnail preview.

- **Aero Snap** is a quick way to resize your windows to make them easier to read, organize, and compare.
- **Aero Flip** allows you to preview all open windows from a central window or 3D view that you can flip through.
- **Aero Shake** allows you to take your mouse and shake only the open window you want to focus on, and the rest will disappear.

Taskbar

The **taskbar** is now more convenient to use, with larger views and easier access.

- **Jump Lists** allow you to right-click an icon in the taskbar and immediately access items like music, videos, or webpages you use on a regular basis.
- **Pin** allows you to place programs on the taskbar and rearrange the order of the icons.
- **Action Center** allows you to control the alerts and pop-ups you receive regarding maintenance and security.

Search

As soon as you start typing in the **Search bar** of the Start Menu, you will instantly see a list of relevant options grouped by categories with highlighted keywords and text.

Libraries

Libraries allow you to organize your files in one place so they are easy to search and access.

Device Stage

When you plug a device into your computer such as a camera, mobile phone, or flash drive, a window will open up with a menu of popular tasks, status information, and options for your device.

Windows Live Essentials

Windows Live Essentials is free software that enhances the Windows 7 experience. It replaces Windows Mail and allows you to email, instant message, edit photos, and blog.

HomeGroup

HomeGroup allows you to connect two or more PCs on a home network to easily share and access files and printers.

Windows Touch

You can use Windows Touch with a touch-screen PC to browse and flick through the screen using your fingers with multi-touch technology.

Remote Media Streaming

With Remote Media Streaming, you can access your music, pictures, and videos stored on your home PC remotely using the Internet.

Editions of Windows 7

1. Windows 7 Starter

- has the most limited features
- intended for use on networks or in developing nations

2. Windows 7 Home Basic

- designed for low-cost home systems not requiring full security and networking features

3. Windows 7 Home Premium

- similar to Windows 7 Home Basic
- includes additional features such as the Aero user interface

4. Windows 7 Professional

- intended for business users
- similar to Windows Vista Business

5. Windows 7 Enterprise

- includes additional features over Windows 7 Professional
- major additional features include BitLocker Drive Encryption and support for multiple languages
- multiple site licensing available

6. Windows 7 Ultimate

- includes every Windows 7 feature

Windows 7 Minimum Requirements

| Hardware | 32-bit | 64-bit |
|-------------------------|--|--|
| Processor | 1 GHz or faster | 1 GHz or faster |
| Memory (RAM) | 1 GB | 2 GB |
| Free hard drive space | 16 GB | 20 GB |
| Video device and driver | DirectX 9 device with WDDM 1.0 or higher | DirectX 9 device with WDDM 1.0 or higher |

Step-by-step Procedure to Install Windows 7

1. Insert the Windows 7 installer disc in the optical drive
2. Restart the computer
3. Press F2 or DEL as soon as the computer restarted
4. Go to the boot menu and click boot device priority
5. Be sure that the optical drive is in the 1st boot device
6. Be sure to save and exit.
7. Press any key to boot from CD/DVD
8. Click Next after selecting your preferences
9. Accept the license terms and click Next
10. Click Install Now
11. Select Custom (Advanced)
12. Partition the hard disk
13. Wait until restart
14. Type a username then click Next
15. Set a Password
16. Choose your preferred setup and installation done.

End of Support for Windows 7

The Windows 7 end-of-life was on January 14, 2020. This was when Microsoft discontinued technical support and quit supplying Windows 7 users with software updates and security fixes through Windows Update. Microsoft also ended support for the following for Windows 7 users:

- Internet Explorer
- Games like Internet Checkers and Internet Backgammon
- Microsoft Security Essentials platform (signature updates remain)

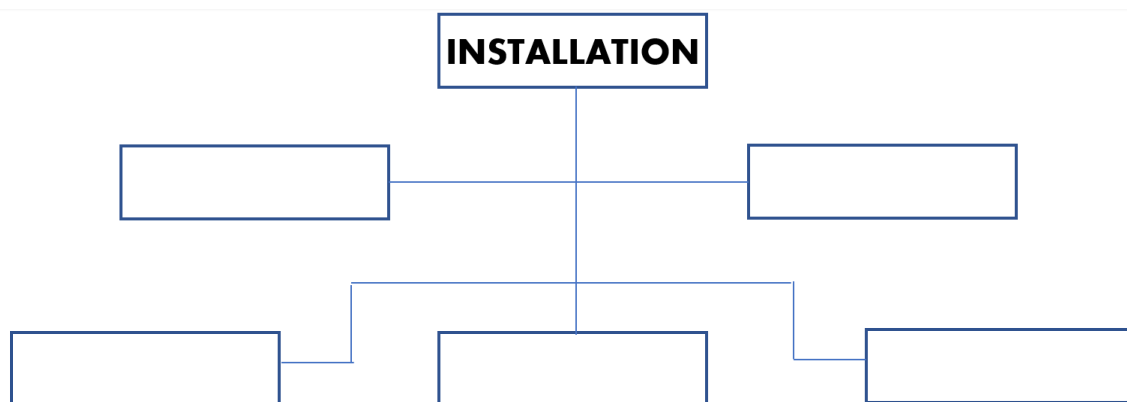
Although Windows 7 has been discontinued, it can still be activated and installed on new computers. If you are a Microsoft 365 user, Microsoft will continue to provide security updates for Microsoft 365 until January 2023, but not feature updates.



LEARN MORE

Learning Task 3:

Directions: Complete the chart by writing terms related to the word “INSTALLATION”. You may add more rectangular shapes if needed.



Learning Task 4:

Directions: Answer the following questions briefly and correctly.

1. How valuable are the new features and improvements regarding the computer needs?

2. What are the different editions of Windows 7? Discuss each.

3. If your friend is seeking for some advice regarding OS, will you still recommend the installation of Windows 7?



EVALUATE NOW

SUMMATIVE ASSESSMENT:

A. WRITTEN TASK:

Directions: Read each question and their corresponding answers carefully and completely. Choose the answer that best fits the statement.

- _____ 1. What is the minimum processor requirement for Windows 7 32-bit?
 A. 1 GHz B. 1.8 GHz C. 2 GHz D. 2.4 GHz
- _____ 2. What is the minimum memory requirement for Windows 7?
 A. 256 MB B. 512 MB C. 1 GB D. 2 GB
- _____ 3. Which of the following is the quick way to resize the windows to make them easier to read, organize and compare?
 A. Aero Flip B. Aero Peek C. Aero Shake D. Aero Snap
- _____ 4. Which of the following allows to preview all open windows from a central window or 3D view that can flip through?
 A. Aero Flip B. Aero Peek C. Aero Shake D. Aero Snap
- _____ 5. Which of the following allows to connect two or more PCs on a home network to easily share and access files and printers?
 A. Device Stage B. HomeGroup C. Libraries D. Windows Touch

Write TRUE if the statement is CORRECT and FALSE otherwise.

- _____ 6. Windows 7 Starter has the most limited features.
- _____ 7. Windows 7 Home Basic is similar to Windows 7 Professional.
- _____ 8. Pin allows to place programs on the taskbar and rearrange the order of the icons.
- _____ 9. Windows 7 is preceded by Windows Vista and succeeded by Windows 10.
- _____ 10. The purpose of a product key is to help avoid illegal product installations.

B. PERFORMANCE TASK

Windows 7 Installation

Directions: Arrange the following procedures in their proper order. Use numbers to indicate their order of precedence. The first number is done for you.

- 3 1. Go to the boot menu and click boot device priority
- _____ 2. Select your preferences and accept the license terms
- _____ 3. Partition the hard disk and wait until restart
- _____ 4. Choose your preferred setup and installation done
- _____ 5. Insert the Windows 7 installer and restart the computer
- _____ 6. Press any key to boot from CD/DVD
- _____ 7. Click Install Now and select Custom (Advanced)
- _____ 8. Type a username and set a password
- _____ 9. Be sure that the optical drive is in the 1st boot device, then save and exit
- _____ 10. Press F2 or DEL as soon as the computer restarted

| 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.buideasypc.com/sw/windows_7/install_windows_7.htm
www.pcworld.com/article/172607/windows_7_10_best_features.html
<https://www.lifewire.com/windows-7-2626265>
<https://petri.com/ultimate-guide-to-installing-windows-7>
<https://www.forscope.eu/software-support/step-by-step-windows7>

Writer: Giselle M. Perlado
 Content Editor/Language Editor: Francis Victor Medrano
 Evaluator/Validator: Divina S. Tumbaga