DEPARTMENT OF EDUCATION- NATIONAL CAPITAL REGION
SCHOOLS DIVISION OF PASAY CITY

MODULE IN TLE 9 (COMPUTER SYSTEM SERVICING)
First Grading / Week 2 / Day 1

Name of Student: _____   Grade and Section: _____
Name of Teacher: _____

Objectives:
Identify and obtain materials necessary to complete the work in accordance with established procedures and system requirements.
- *Familiarize with peripheral devices in assembling computer hardware*
- *Understand and review the various functions of peripherals in assembling computer hardware*

WHAT TO KNOW

Lesson: Computer Peripheral Devices

Computer system can be equipped with an amazing variety of peripheral devices. The term peripherals refer to all hardware devices that are attached to the computer system. Peripherals can be classified into input devices, output devices and storage devices. As an aspiring computer technician, it is necessary to get familiarize with the various devices connected to your computer as it plays an important part in the computer system. This lesson introduces the different peripheral devices of a computer.

1. INPUT DEVICE

Input device is composed of a device that accepts data and instructions from the user or from another computer system.

a. **Keyboard** is the first input device developed for the computer and modeled from the typewriter keys. It allows one to input letters, numbers and other symbols in a computer.
b. **Mouse** is used to control the cursor or pointer on the screen and to give commands to the computer.
c. A **graphics tablet** is used for sketching new images or tracing old one using special stylus.
d. **Touch screen** is a display screen that is sensitive to the touch of a finger or stylus. It became wildly popular for smart phones, tablets and laptops.
e. **Light pen** is a light-sensitive stylus wired to a video terminal used to draw pictures or to select menu options.
f. **Scanner** is a light sensitive device that helps copy images and documents, and converts it into digital form that can be processed and stored by the computer.
g. **Microphone** is used as an audio-input device, and its function is to enter or record sound into computer.
h. **Web camera** is a video camera that feeds its image to a computer.
i. A **joystick** looks like car's stick shift. It controls objects on screen.

2. OUPUT DEVICE

Output Device is any piece of computer hardware that displays result after the computer has processed the input data that has been entered.

REFERENCES FOR FURTHER ENHANCEMENT
- Book: Understanding PC Hardware , page12
- Book: PC Assembly and Troubleshooting, page 62
- Book/Module: TLE ICT Computer Hardware Servicing 9, page47
- YouTube: https://www.youtube.com/watch?time_continue=366&v=WZmc4jHu284&feature=emb_logo

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a.	**Monitor** displays information in visual form using text and graphics.
b.	**Projector** is a compact, high resolution and full color that is capable of projecting text, images, video and audio content.
c.	**Smart board** is a type of display screen that has a touch sensitive transparent panel covering the screen, which is like a touch screen.
d.	**Printer** is a device that prints documents or images on a paper.
e.	A **speaker** is a device that produces computer output in form of sound

3. STORAGE DEVICE

Storage device is used to store data and it may either be internally installed in the computer or removable. It keeps data inside the computer for later use and remains persistent even when the computer has no power.

Storage Devices
Flash Drive   Optical Disc   Floppy Disk
Hard Disk (Internal and External)   Memory Card   Zip Drive

a.	**Floppy disk** known as diskette is a portable magnetic storage device that can store up to 1.44 MB of data which is equivalent to around 300 pages of A4 text
b.	**Optical disc** is a form of removable storage which includes compact disc (CD), digital versatile disc (DVD) and blu-ray disc that uses a laser to read and write data on optical media.
c.	**Hard disk** is the main and largest data storage device in a computer.
d.	**Flash drive** also known as thumb drive, jump drive or pen drive is a small, portable flash memory card that plugs into a computer USB port and functions as a portable hard drive.
e.	A **memory card** or flash card is an electronic flash memory data storage used for storing digital information commonly found in digital cameras, mobile phones and tablets.
f.	**Zip drive** is a small disk drive used primarily for backing up and archiving computer files.

EXERCISE 1: FILL IN

WHAT TO PROCESS

Directions: Use the words below to fill in the table and answer the questions.

Flash Drive	Microphone	Diskette
Projector	Printer	Scanner
Keyboard	Joystick	Monitor
External Hard Drive	Speaker	Flash Memory
Mouse	Hard Disk	Smart Board

INPUT	OUTPUT	STORAGE

1. _____ comes in pairs and allows you to hear sound from the computer.
2. _____ a machine for printing text or pictures onto paper, especially one linked to computer.
3. _____ a peripheral device that displays the video and graphics information generated by the computer.
4. _____ a piece of computer hardware used to input text and numbers into a computer.
5. _____ is an input device designed to manipulate objects on the computer screen, by clicking, double clicking, dragging and pointing on it.

EXERCISE 2: ANALYZE

A fashion and garment company has some newly designers based in Cebu, Davao, Baguio and Manila. The cost of travel among the cities is very high, so when they wish to meet to discuss new design products they use video conferencing. The designers all have personal computers with a keyboard and a mouse in order to take part in video conferencing.

Name three other devices used to input or output data which would be needed to take part in the video-conference.

1. _____
2. _____
3. _____

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EXERCISE 3: IDENTIFY

Directions: Define and name the following devices, then identify whether INPUT, OUTPUT or STORAGE.

Peripheral Device	Name of the Device	Definition	Input/Output/ Storage

THINGS TO REMEMBER!

Peripheral Devices

1. Input Device - accepts data and instructions from the user
   a. Keyboard, Mouse, Graphic Tablet, Touch Screen, Light Pen, Scanner, Joystick, Web Camera and Microphone
2. Output Device - displays the result of the processed data.
   a. Monitor, Printer, Projector, Smart Board and Speaker
3. Storage Device - stores data of the computer
   a. Floppy Disk, Optical Disc, CD, DVD, Blu-ray Disc, Hard Disk, Flash Drive, Memory Card and Zip Drive

EVALUATION: MULTIPLE CHOICE

Directions: Read each question carefully and encircle the letter of the correct answer.

1. Technically speaking, what is the most accurate description of a peripheral device?
   a. A device that is connected to a computer but is not part of the core computer architecture
   b. A device that plugs into a computer using a USB connection
   c. A device that provides input and output functions for a computer system
   d. A device connected to a computer using a cable
2. What are the three general types of peripheral devices?
   a. Audio, video and print output   c. Internal, wired external and wireless external
   b. Input, output and storage   d. Mouse, keyboard and monitor
3. Which of the following is NOT a computer peripheral?
   a. Central processing unit   c. Microphone
   b. Keyboard   d. Scanner
4. A _____ allows you to enter data into a computer in the form of text.
   a. Device   b. Keyboard   c. Mouse   d. Peripheral
5. A peripheral device which keeps data inside the computer for later use and remains persistent even when the computer has no power.
   a. Input Device   b. Output Device   c. Removable Device d. Storage Device
6. If Sheila wants to capture sound on her computer, she would need a _____.
   a. Keyboard   b. Headphones   c. Microphone   d. Webcam
7. An input device used for drawing and sketching new images using stylus.
   a. Graphic Tablet   b. Light Pen   c. Mouse   d. Touch Screen
8. A storage device that can store up to 1.44 MB of data.
   a. Flash Drive   b. Floppy Disk   c. Hard Disk   d. Zip Drive
9. A type of display screen that has a touch sensitive transparent panel covering the screen
   a. Graphics Tablet   b. Monitor   c. Smart Board   d. Touch Screen
10. It refers to all hardware devices that are attached to the computer system.
    a. Input Device   b. Output Device   c. Peripheral Device d. Storage Device

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