DIVISION OF GEN. TRIAS CITY

Project ISuLAT – ACTIVITY SHEETS in Technology and Livelihood Education 1(
(Intensified Support to Learning Alternatives Through Activity Sheets)

COMPUTER SYSTEM SERVICING G10
QUARTER 1–WEEK 2: Parts of Computer

Name of Learner: _____   Date: _____

Grade & Section: _____   Teacher: _____

MOST ESSENTIAL LEARNING COMPETENCY (MELC):

- Prepare unit assembly to ensure OHS policies and procedures are followed in accordance with systems requirements (TLE_IACSS912ICCS-Ia-e-28)

Objectives:

1. Understand the different parts and functions of each part of the computer.
2. Learn how each computer part correlates to each other.
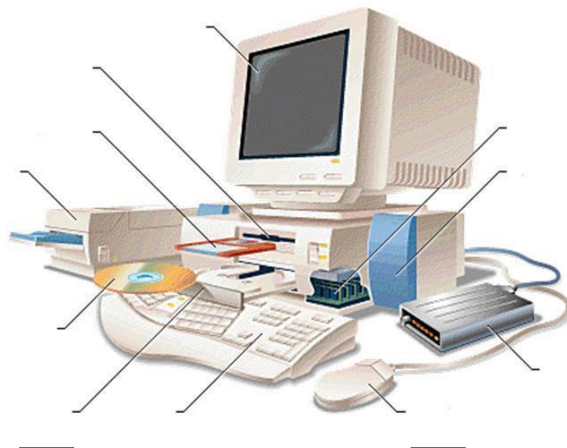3. List down the different functions of each computer part.

TEACH ME

Learning Task 1

Activity 1

With your prior knowledge, label the parts of the computer from the image provided

below.

Activity 1.1

Direction: Fill up the table that corresponds to what has been needed. You will write the parts of a computer that are related to that category.

Input devices – devices that insert data for processing.

Processing device – devices that manipulate all calculations in the computer.

Output devices – devices that display the end product.

Storage devices – devices that keep records of the processed data.

Input Devices	Processing Device	Output Devices	Storage Devices
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓

✓	✓	✓	✓

Learning Task 2

Parts of a Computer

Computer is an electronic device that could store, retrieve, and process data. It has four major parts which are monitor, keyboard, mouse, and system unit. It has its own work to do in every computer's functionality.

Monitor

It displays electronic visuals for computers. It has three major types such as the CRT, the LCD and the LED.

Cathode-ray Tube (CRT)	It is a large and heavy monitor with a bulky part on its back. It has a bowl-shaped screen made of glass envelope and is an older version of the LCD monitor we see today.	https://mjmnetwork.net/wp-content/uploads/2012/05/monitor_CRT-300x300.jpg
Liquid Crystal Display (LCD)	It is a flat panel display that uses the light modulating properties of liquid crystals. It shows clear images and with a cheaper price than CRT monitors.	https://www.symbios.pk/image/cache/data/g/G195hqv-500x500.jpeg
Light Emitting Diode (LED)	It is a flat panel display, which uses an array of LED as pixels for a video display. It has a very short depth and is light in terms of weight.	http://cdn.mos.cms.futurecdn.net/b0e04459f4597232a5977d16bd03f311-1200-80.jpg

Mouse

It is the primary pointing device which involves eye and hand coordination.

Mechanical Mouse	It uses a rubber ball as its wheels that make contact inside the unit. When the ball is rolled in any direction, sensors inside the mouse detect this motion.	https://i.ebayimg.com/images/g/5QMAAOSwwXhfEw3J/s-l300.jpg
Optical Mouse	It is an advanced computer pointing device that uses a light-emitting diode (LED) to detect mouse's movements.	https://www.aria.co.uk/mainimages/67899_main_18074.jpg
Wireless Mouse	It is also called a cordless mouse that connects to a computer without the presence of wires. It uses wireless technology like Bluetooth or infrared radio waves.	https://www.ldproducts.com/media/catalog/product/cache/3/image/9df78eab33525d08d6e5fb8d27136e95/1/3/1300_1022376793.jpg?__cf_chl_js

Keyboard

It is the primary input device which is use to enter data to the computer.

Standard PS/2 keyboard	It is a type of port developed by IBM for connecting a mouse or keyboard to a PC. The PS/2 port supports a mini DIN plug containing just 6 pins.	https://images.reevoo.com/products/603/603918/original. png?fingerprint=ad3221c631f3427a96dabe9f1859869221a 4af30
Ergonomic keyboard	is a computer keyboard designed with ergonomic considerations to minimize muscle strain and a host of related problems.	https://businessimages.co.za/wp-content/uploads/2016/01/FPP-NATURAL-ERGO-KB.jpg
Built-in keyboard	a data entry typically found on laptop computers.	https://techcrunch.com/wp-content/uploads/2018/10/3Q 5A5680.jpg
Wireless keyboard	is a computer keyboard that allows the user to communicate with computers, tablets, or laptops with the help of radio frequency (RF), infrared (IR) or Bluetooth technology.	https://hexus.net/media/uploaded/2019/3/4bef3c35-464d-46e4-bda1-408641072704.png
Flexible keyboard	is a keyboard usually made of soft silicone that is highly portable and attaches to a computer through a USB connection or serial port.	https://n4.sdlcdn.com/imgs/i/ s/s/plutofit-Flexible-Keyboard-Black-USB-SDL924258308-2-42382.jpeg

System Unit

It is the enclosure for all the other main interior components of a computer. These components comprise the whole system that holds all the other computer peripherals.

Case	It is also called a computer chassis, cabinet case or tower that contains most of the components of a system unit.	https://i.ebayimg.com/00/s/N zY4WDEwMjQ=/z/TDQAAOSw 8FNajdyG/$_86.JPG
Motherboard	It is a printed circuit board (PCB) containing the principal components of a computer or other device.	https://usercontent1.hubstati c.com/6328700_f1024.jpg
Microprocessor	It is the brain of the computer that contains all the functions of a central processing unit which is responsible for all the processes in the computer.	https://img.techwallacdn.com /375/cpie/images/a04/q3/od/ parts-microprocessor-800x800.jpg
Random Access Memory (RAM)	It holds the instructions which will be processed by the computer processor.	https://thumbs.dreamstime.c om/z/ddr-ram-memory-module-isolated-white-background-67053490.jpg

Hard Disk Drive (HDD)	It is the mechanism that controls the reading and writing which furnishes the largest amount of data storage for PCs. It stores data such as videos, pictures, documents, etc.	http://onsiteharddriveshreddingfl.com/images/hdd.jpg
Optical Disk Drive (ODD)	It stores and reads files from disc through laser beam technology.	https://www.jilaxzone.com/wp-content/uploads/2020/01/who-still-using-optical-disc-drive-jilaxzone.com_.jpg
Power Supply Unit (PSU)	It delivers stable and reliable power to your PC.	http://www.dansdata.com/images/eg651p/psu440.jpg

Expansion Cards - It is used to enhance the quality of their specific function.

Video Card	It improves display of data into attractive and colorful images on the screen.	https://www.hippo-deals.com/products-images/1500/582850.jpg
Sound Card	It converts digital data to analog sound waves you can hear.	https://2.bp.blogspot.com/-mzXSzRZAHH4/Td9R9iUuuCI/AAAAAAAAAEQ/nYMg2piWeKE/s1600/Sound+Card.jpg
Network Interface Card (NIC)	It connects your computer to a local data network or the Internet.	https://www.lindy.co.uk/images/10100-basetx-pci-network-card-rj45-female-full-duplex-p3092-2898_zoom.jpg

 LEARN MORE

Learning Task 3

Activity 2
Direction: Fill in the blanks to complete the thought of the sentences.

Computer is an _____ device that could store, retrieve, and process data. It has four major parts which are _____, keyboard, _____, and _____.

Monitor has three types which are _____, _____, and LED. Mouse has three types also which are mechanical, _____, and _____.

_____ is considered as the brain of the computer. It needs help from _____ to function well because it holds instruction temporarily before it is processed.

All the components of the system unit are connected to the _____ including the _____ which is the storage of all the media and files that was saved in the computer. Motherboard needs electricity coming from _____ for it to perform its function.

There are three basic types of expansion cards that you can add to your computer to improve the system performance in a specific function. These expansion cards are _____, _____, and network interface card.

Learning Task 4

Activity 4
Direction: Supposed that you are going to assemble a desktop computer for education and gaming purposes. Research for the latest brands and of good quality parts of computers through the internet. Fill out the table below with information for computer assembly.

Parts of computer	Latest brand in the market	Price
Monitor		
Keyboard		
Mouse		
System Unit		
Microprocessor		
RAM		
Motherboard		
Videocard		

EVALUATE NOW

SUMMATIVE ASSESSMENT:

A. WRITTEN TASK

I. Direction: Read the following questions below and choose the best answer on the options provided below each item number.
1. What is an electronic device that could store, retrieve, and process data with arithmetical and logical function?
      a. radio   b. calculator   c. computer   d. television
2. What is the primary input device that is used to enter data to the computer?
      a. keyboard   b. mouse   c. system unit   d. monitor
3. What is a part of a computer that displays an electronic visual for computers?
      a. keyboard   b. mouse   c. system unit   d. monitor
4. What is the primary pointing device in desktop computers which involves eye and hand coordination?
      a. mouse   b. keyboard   c. monitor   d. system unit
5. What is the enclosure for all the other main interior components of a desktop computer?
      a. mouse   b. keyboard   c. monitor   d. system unit
II. Direction: Identification. Read and answer the following statements.
_____6. What is the type of keyboard that is commonly found on laptop PCs?
_____7. What is the type of monitor which is large and heavy with a bulky part on its back?
_____8. What is a keyboard usually made of soft silicone that is highly portable and attaches to a computer through a USB connection or serial port?
_____9. What is the type of mouse that uses Bluetooth technology to operate?
_____10. What part of the system unit is considered as the brain of the computer which is responsible for all the processes of the computer?

B. PERFORMANCE TASK

Direction: Using the link below, watch the video about basic parts of the computer and answer the following questions. https://www.youtube.com/watch?v=ExxFxD4OSZ0 (For MDL students, you may refer to existing books or ask a family member or friend that is knowledgeable about the topic.)

What are the *simple* fundamental parts of the system unit?

_____.

What are the *complex* fundamental parts of the system unit?

_____.

What is the difference between RAM and HDD?

_____.

Criteria	5 points	3 points	1 point
Quality of work	Very clear, complete, and concise.	Clear, mostly complete, and concise	Unclear, incomplete, and not concise
Creativity	You used your own words and ideas	You used your own words and ideas most of the time.	You did not use your own words and ideas at all.
Effort	You took your time and worked hard	You worked hard for most of the time	You rushed through and did not work hard

References:

https://edu.gcfglobal.org/en/computerbasics/inside-a-computer/1/
https://www.youngwonks.com/blog/Basic-Parts-of-a-Computer
https://www.youtube.com/watch?v=ExxFxD4OSZ0