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

MODULE IN TLE 9 (COMPUTER SYSTEM SERVICING)

First Grading / Week 2 / Day 3

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

Objectives:

Obtain materials, tools, and testing devices needed to carry out the work and check for correct operation and safety.

- Familiarize with the personal protective equipment in assembling computer hardware.
- Classify precautionary measures in assembling computer hardware
- Express ideas and opinion about the importance of using safety precautionary measures observed in assembling computer hardware.



Lesson: Personal Protective Equipment (PPE)

Personal Protective Equipment. This refers to protective clothing, helmets, goggles, or other gear designed to protect the body or clothing from injury by electrical hazards, heat, chemicals, and infection, for job-related occupational safety and health purposes.



- -PPE can also be used to protect the working environment from pesticide application, pollution or infection from the worker.
- -It is important that students and teachers during their laboratory period should be required to use personal protective equipment. Here are some examples of PPE:

PERSONAL PROTECTIVE EQUIPMENT



Goggles A large spectacles, with shields around the rims, for protecting the eyes from dust, excessive light, wind, etc.



Apron A garment worn over the front of the body as a protection for one's cloth.



Gloves The covering material with a separate sheath for each finger used for hand protection.



Rubber Sole A special type of shoes used to prevent electrical shock and for waterproofing and insulating purposes.



Face Mask A covering for the face to prevent the inhaling or absorbing dust and other chemicals.



Anti-Static and Safety Precautions

The little shock you experience while you are walking across a carpeted floor or when you touched a door knob, table, counter or even another person is a result of static electricity. Static electricity is the discharge of electricity between two objects with different electrical potential. Humans can't feel a static shock until it is several thousand volts strong, but it takes less than 30 volts to fry a sensitive computer component, such as a stick of RAM or a processor.

REFERENCES FOR FURTHER ENHANCEMENT

- Book/Module: TLE ICT Computer Hardware Servicing 9, page 65
- YouTube: https://www.youtube.com/watch?v=q2yAHDkC6Nw
 https://www.youtube.com/watch?v=XVNMj0ZxZsI

	PASAY-G9-Q1-W2-D3
Name of Stud	
Name of Teac	
Most o	f the computer technicians and home computer builders have to guard their computers adly ravages of static electricity, as well as take steps to avoid injury.
Safety and Ar	nti-Static Rules
 Always monito 	use an anti-static wrist strap when working on a computer (except when working on
 Always working 	disconnect a computer from the AC power and from any powered peripherals while you are on it.
 Always 	grasp a metal part of the computer chassis with your bare hand before you touch anything Do this even if you are wearing an anti-static wristband.
 Always 	handle electronic components by a non-conducting (non-metallic) edge. Don't touch the other connectors.
 Never 	plug an ATX power supply into AC power unless it is connected either to a computer's board or to a dummy test load.
 Always 	use a UL-approved surge protector or an Uninterruptible Power Supply that incorporates and spike protection.
•	eat, drink, or smoke while working on a computer
EVEROIDE 4	WHAT TO PROCESS
	ntify the following statements. Write your answers on the space provided.
2.	It is taken to ensure that something is safe and not dangerous. It refers to protective clothing, helmets, goggles, or other gear designed to protect the wearer's body or clothing from injury by electrical hazards, heat, chemicals, and infection, for job-related occupational safety and health purposes.
	A large spectacle, with shields around the rims, for protecting the eyes from dust, excessive light, wind, etc.
4.	A special type of shoes used to prevent electrical shock and for waterproofing and insulating purposes.
	A garment worn over the front of the body as a protection for one's cloth.
	A covering for the face to prevent the inhaling or absorbing dust and other chemicals. The covering material with a separate sheath for each finger used for hand protection.
	It can be used to protect the working environment from pesticide application, pollution or infection from the worker.
	This tool is use once handling computer parts to prevent grounding/electric shocks. It is the discharge of electricity between two objects with different electrical potential.
	TRUE OR FALSE ad each statement carefully. Write T if the statement is TRUE and write F if the statement
is FALSE. Writ	e your answers on the space before each number.
	Always disconnect a computer from the AC power and from any powered peripherals
2.	while you are working on it. Always grasp a metal part of the computer chassis with your bare hand before you touch

- anything inside. Do this even if you are wearing an anti-static wristband.

 3. Always handle electronic components by a non-conducting (non-metallic) edge. Don't
- touch the pins or other connectors.
- _4. Always use a UL-approved surge protector or an Uninterruptible Power Supply that incorporates surge and spike protection.
- __5. Never use an anti-static wrist strap when working on a computer (except when working on monitors)
 - _6. Everyone is allowed to eat, drink, or smoke while working on a computer.
- __7. Never plug an ATX power supply into AC power unless it is connected either to a computer's motherboard or to a dummy test load.
- 8. Static electricity is the discharge of electricity between two objects with different electrical potential.
 - 9. Apron is a garment worn over the front of the body as a protection for one's cloth.
- 10. PPE can also be used to protect the working environment from pesticide application, pollution or infection from the worker.

Name of Student: Name of Teacher:				Grade and Section:				
Name	or reacher	<u> </u>						
Directi questic	on.	s your ins		·			your answers a	fter each
1. VVr	ny do you ne	ed to mak	ce sure the clo	eanliness o	t work enviro	onment o	r workplace?	
2. Wr	ny do you ne	ed to use	personal pro	tective equi	ipment in oui	r workpla	ce environment	?
THIN	GS TO REM	EMBER!						~
2 3	y Precaution Personal I wearer's b infection, f Examples Static elect Most of th	ns/Persona Protective E lody or cloth for job-relat of PPE: Go stricity is the e computer	ning from injury ed occupationa oggles, Gloves e discharge of e	E) refers to positive to positive to positive all safety and positive to positive the positive to positive the positive to positive the positive to positive to positive the positive to p	orotective gea al hazards, hea health. Rubber Sole tween two obj mputer builder	at, chemic and Apro jects with rs must g		
EVAL	JATION: M	ULTIPLE	CHOICE					
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_							d. Static Electric	,
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	•	on			c. Gloves		d. Goggles	
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	wind, etc.				•	Ū		•
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Prepared by:

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