



Department of Education
National Capital Region
Division of Pasig City
EUSEBIO HIGH SCHOOL
TLE Department



DAILY LESSON PLAN

School	EUSEBIO HIGH SCHOOL	Grade Level	7
Teacher	Romel Junio	Learning Area	TLE 7
Date		Quarter	Second

I. OBJECTIVES

1. Content Standards	Students will demonstrate proficiency in identifying and differentiating between various types of components and objects in a given context, applying appropriate terminology and demonstrating understanding of their respective functions and relationships.
2. Performance Standards	Students will be able to classify and describe at least five different types of components and objects, providing accurate explanations of their functions and how they interact within a system, as demonstrated through written assessments and hands-on activities.
3. Learning Competencies	Code: TLE_CSS9-Q2-M1.pdf At the end of the lesson, the learners should be able to: 3.1 Identify and classify different components and objects used in computer system servicing 3.2 Appreciate the significance of accurate measurements in maintaining and repairing computer systems. 3.3 Demonstrate the proper use of measuring tools for computer components.

I. CONTENT

Types of Components and Objects to be Measured

II. LEARNING RESOURCES

A. References

1. TG pages	
2. LM pages	SLM 1: Types of Components and Objects to be Measured pp. 7-12
3. Textbook pages	
4. Additional materials	

from Learning Resource (LR) portal	
B. Other Learning Resources	<p>Digital Learning Resource's: PowerPoint presentation, laptop, HDMI.</p> <p>Traditional Learning Resource's: Pictures, Chalk, and TV</p>
III. PROCEDURES	
A. Reviewing previous lesson or presenting the new lesson	<p>Teacher: So, tell me, how can we ensure our files and data are safe and secure?</p> <p>Student 1: Well, it's like having a fortress for our data! Regularly updating our operating system and running anti-virus software is like reinforcing the walls and standing guard at the gates.</p> <p>Teacher: Excellent analogy! Fortifying our digital defenses is crucial. Now, let's talk about another line of defense. Why do we need to back up our files?</p> <p>Student 2: Backing up our files is like creating a superhero sidekick for our data. If something goes wrong, like a file disappearing or getting corrupted, the sidekick (backup) swoops in to save the day and restore order!</p> <p>Teacher: I love the superhero comparison! It adds a whole new dimension to the importance of backups. Now, class, can anyone else come up with a creative metaphor for cybersecurity practices?</p> <p>Student 3: It's like having a secret recipe for our data's safety. Just like a chef guards their secret ingredients, we need to guard our passwords and use encryption to keep our data recipes safe from digital thieves!</p> <p>Teacher: Fantastic analogy! Our digital secrets deserve the same level of protection. Remember, class, in the world of cybersecurity, we're all a bit like digital chefs cooking up the recipe for a secure online experience.</p>
1. Establishing a purpose for the lesson	<p>Teacher: Let's make our learning interactive today. We have a fill-in-the-blanks activity. Are you ready?</p> <p>Students: said yes</p> <p>Teacher: Great! So, the first one: Memory is measured by _____.</p> <p>Students: focus on the screen, thinking what was the best answer.</p> <p>Possible Answer: RAM, Storage Capacity, CPU</p>

	<p>Student 1: raise his hand and spoke. RAM!</p> <p>Teacher: Excellent choice! Now, let's move on. Processor is measured through _____.</p> <p>Possible Answer: RAM, Clock Speed, Storage</p> <p>Student 2: selects the right answer Clock Speed!</p> <p>Teacher: Fantastic! Now, the next one: The _____ refers to how much disk space one or more storage devices offer.</p> <p>Possible Answer: Resolution, Storage Capacity, Frequency</p> <p>Student 3: Confidently said the correct answer. Storage Capacity!</p> <p>Teacher: Well, done! You're getting the hang of it. Now, how about this one: The GHz stands for _____.</p> <p>Possible Answer: Gigabyte, Graphics, Gigahertz</p> <p>Student 4: Smiles and said the answer Gigahertz!</p> <p>Teacher: Perfect! You're really acing this. Now, for the last one: The _____ describes how many full images per second the card can show.</p> <p>Possible Answer: FPS, Resolution, Refresh Rate</p> <p>Student 5: Quickly makes a selection and said his answer FPS!</p> <p>Teacher: Outstanding! You've all nailed it. This interactive learning is making our classroom experience so much more engaging. Keep up the great work!</p>
<p>a. Presenting examples/ instances of the new lesson</p>	<p>Teacher: let's spice things up a bit. We're going to play a little game with jumbled words and pictures. Are you ready?</p> <p>Students nod enthusiastically</p> <p>Teacher: Fantastic! Let's start with the first one. Look at this jumbled word: "ideoV card." Now, connect it with the correct picture on the screen.</p> <p>Students excitedly scan the pictures</p> <p>Student 1: Eagerly raises hand. Video card!</p> <p>Teacher: Exactly! You've unscrambled that word in record time. Now, let's move on. Check out this jumble: "ataD storage." Connect it with the right picture.</p> <p>Students focus on the pictures</p> <p>Student 2: Data storage!</p> <p>Teacher: Bingo! You're on fire. Now, let's mix it up a bit more. "ocessrPsoer."</p> <p>Students share amused glances</p>

	<p>Student 3: Processor!</p> <p>Teacher: Well done! You're all experts at unscrambling. Let's keep the momentum. "roMyme."</p> <p>Student 4: Memory!</p> <p>Teacher: Outstanding! You're acing this game. Now, for the grand finale, unscramble this: "LatnreC Processing unit."</p> <p>Students exchange quick looks</p> <p>Student 5: Central Processing Unit!</p> <p>Teacher: Brilliant! You've cracked the code. Who knew unscrambling words could be so much fun while learning about computer hardware? Great job, everyone!</p>
1. Discussing new concepts and practicing new skills #1	<p>Teacher: Good day, class! Today. Who can tell me what mensuration is?</p> <p>Possible answer: Mensuration is the process of measuring components of objects.</p> <p>Teacher: Excellent! Now, where can we find these components and objects that we need to measure?</p> <p>Possible answer: We can find them inside the chassis or computer case.</p> <p>Teacher: Precisely! Mensuration involves measuring components within our personal computers. It's like giving our computers a health check. Now, can someone name a computer component?</p> <p>Possible Answer: Memory/Hard drives/Processor/Video Card.</p> <p>Teacher: Great examples! Let's explore the first one: memory. What is memory for?</p> <p>Possible Answer: Memory is where instructions are processed and data is temporarily stored.</p> <p>Teacher: Well done! Now, there are two types of memory. Can you name them, and what role do they play in a computer?</p> <p>Possible Answer: RAM or random-access memory and ROM or read-only memory. RAM stores temporary data, while ROM retains instructions even when the PC is shut down.</p> <p>Teacher: Fantastic! Now, let's talk about data storage. What is data storage?</p> <p>Possible Answer: Data storage is a component where all the data can be stored.</p> <p>Teacher: Exactly! Now, what are the types of data storage devices, and can you provide examples?</p> <p>Possible Answer: We have magnetic storage and optical storage devices. Examples include hard drives, portable hard drives, magnetic tapes, floppy disks, CDs, USBs, memory cards, and smart cards.</p> <p>Teacher: Impressive list! Now, why do we carry these storage devices around?</p> <p>Possible Answer: So that we can bring or carry our data anywhere.</p> <p>Teacher: Perfect! Now, let's discuss the CPU. What does CPU stand for, and why is it important for our computers?</p> <p>Possible Answer: CPU stands for central processing unit, and it's the brain of our computer. Without it, our computer won't function.</p>

	<p>Teacher: Excellent explanation! Lastly, what is VC?</p> <p>Possible Answer: VC is the video card. This component is crucial because it allows us to see what appears on our monitor.</p> <p>Teacher: Fantastic job, everyone! You've made mensuration and computer components come to life. Keep up the great work!</p>
1. Developing mastery (Leads to Formative Assessment 3)	<p>Teacher: Today, we're adding a bit of fun to our learning with a game of "Jumbled Letters." Get ready to unscramble and showcase your knowledge.</p> <p>Students eagerly prepare for the activity</p> <p>Teacher: Alright, the first one is "DIVEO CRAD." Unscramble the letters and tell me what specific component it is. And, don't forget to provide the measurement.</p> <p>Possible Answer: Video Card! The measurement is in terms of Frame rate</p> <p>Teacher: Fantastic! Now, let's move on to the next challenge. Unscramble these letters: "TADA ROSTGA."</p> <p>Possible Answer: Data Storage! The measure for this component is kilobyte (KB), megabyte (MB), and gigabyte (GB)</p> <p>Teacher: Excellent! Here's the next jumble: "ROPCSEORS."</p> <p>Possible Answer: Processor! Its measurement involves Gigahertz</p> <p>Teacher: Great job! Now, let's unscramble "MMOEYR."</p> <p>Possible Answer: Memory! And the measurement for memory is megabytes (MB) and gigabytes (GB)</p> <p>Teacher: Perfect! You're getting the hang of this. Now, for the grand finale: "CRENTAL ROPECSSNGI ITUN."</p> <p>Possible Answer: Central Processing Unit! The measurement for the CPU is Gigahertz</p> <p>Teacher: Amazing work, class! You've successfully untangled the jumbled letters and provided the measurements for each component. Keep up the excellent work, and let's continue having fun while learning!</p>
2. Developing Mastery	<p>Teacher: We've been delving into some exciting topics lately. Quick check-in time—have you all learned something new today? A simple yes or no will do!</p> <p>Students said yes</p>

	<p>Teacher: Great to hear! Now, for those who answered yes, let's keep the momentum going. Can someone give me an example of components that can serve as a storage device?</p> <p>Possible Answer: Memory Card, Hard Drive</p> <p>Teacher: Fantastic examples! These are indeed storage devices that play a crucial role in our digital lives. Now, for those who answered no, no worries at all. Learning is a journey, and we're here to help. Can you tell me where you're feeling a bit lost or what you didn't quite understand?</p> <p>Student who answered no responds</p> <p>Teacher: Excellent! Your curiosity is the first step to understanding. Let's work together to make sure you're on track. Now, for everyone, whether you're acing it or still figuring it out, let's keep the learning vibe alive. Who else has a burning question or a point they'd like to discuss about our topic?</p>
<p>3. Finding practical applications of concepts and skills in daily living</p>	<p>Teacher: Imagine you're on a quest to buy your dream personal computer. What computer components and objects will you take into consideration? And of course, the all-important question, why? Who's up for the challenge?</p> <p>Students excitedly think about their answers</p> <p>Student 1: Well, I'd definitely look at the processor because it's like the brain of the computer. A powerful processor means smooth performance in all my tasks.</p> <p>Teacher: Great choice! The brainpower is crucial. Anyone else?</p> <p>Student 2: I'd consider the graphics card. I love gaming, so having a top-notch graphics card ensures I get the best visual experience.</p> <p>Teacher: Gaming enthusiasts! Excellent point. What about someone else?</p> <p>Student 3: I think storage is key. I need a lot of space for my projects, photos, and videos. So, a spacious and fast storage device is a must.</p> <p>Teacher: Practical and organized! Storage is indeed a game-changer. Who's got another consideration?</p> <p>Student 4: I'd look at RAM. More RAM means I can multitask without my computer slowing down, which is perfect for my work.</p> <p>Teacher: Multitasking! RAM is crucial for a seamless workflow. Anyone else wants to share their considerations?</p>

	<p>Student 5: I'd think about the display. A good monitor with high resolution is important for my design work. I need to see the details!</p> <p>Teacher: A visual artist in our class! The display is your canvas. Excellent consideration. These are all fantastic points, class. It's fascinating to see how personal preferences and needs influence our choices when it comes to computer components. Keep up the great thinking!</p>
4. Making generalizations and abstractions about the lesson	<p>Teacher: Alright, class, today we explored the incredible world of computer components. It's like a team where everyone has a specific role. The MVPs on our team are the CPU, memory, storage, network interface, and peripherals. Each one plays a unique part, and together they make our computers rock! Now, who can share a fun analogy or metaphor to describe our computer team?</p> <p>Students brainstorm creative comparisons</p> <p>Student 1: It's like a superhero squad! The CPU is the leader, memory is the quick thinker, storage is the memory bank, network interface is the communicator, and peripherals are the gadgets.</p> <p>Teacher: Brilliant! Our computer components are indeed superheroes in their own right. What about another analogy?</p> <p>Student 2: It's like a band! The CPU is the lead singer, memory is the rhythm, storage is the bass, network interface is the electric guitar, and peripherals are the backup singers adding flair.</p> <p>Teacher: I love the musical analogy! Our computer components are rocking the technology stage. Great job, class! Keep thinking creatively about our digital world.</p>
5. Evaluating Learning	<p>Teacher: Let's dive into some profound wisdom with this thought-provoking quote: "The true measure of a man is how he treats someone who can do him absolutely no good." What are your thoughts on this?</p> <p>Students ponder the quote</p> <p>Student 1: It's like saying your character shines when your kind to everyone, not just those who can benefit you. It's about being genuinely good without expecting anything in return.</p> <p>Teacher: Beautifully put! It's about the authenticity of kindness. Anyone else?</p> <p>Student 2: I think it's about humility. Treating everyone with respect, regardless of their status, shows true humility and decency.</p>

	<p>Teacher: Absolutely! Humility is a key ingredient in measuring a person's character. What else do you think?</p> <p>Student 3: It's also about empathy. If you can empathize and treat someone well, even if they can't do anything for you, it shows a deep understanding of human connection.</p> <p>Teacher: Wonderful insight! Empathy is a powerful force that transcends personal gain. Anyone with a different perspective?</p> <p>Student 4: I see it as a test of sincerity. When your kind without expecting anything, it shows your actions are genuine, not just for show.</p> <p>Teacher: Great point! Sincerity is the key to authenticity. You're all unraveling the layers of this quote beautifully. Keep exploring these profound thoughts, and remember, the true measure of a classroom is the depth of its discussions. Well done!</p>
6. Additional activities for application or remediation	<p>Teacher: For the assignment</p> <p>What is the meaning of Specs? Give an example of volatile and non-volatile at least 2 examples each</p>
IV. REMARKS	
V. REFLECTION	
A. No. of learners who earned 80% on the formative assessment	
B. No. of learners who require additional activities for remediation who scored below 80%	
C. Did the remedial lessons work? No. of learners who have caught up with the lesson	
D. No. of learners who continue to require remediation	
E. Which of my teaching strategies worked	

well? Why did these work?	
F. What difficulties did I encounter which my principal or superior can help me solve?	
G. What innovation or localized materials did I use/discover which I wish to share with other teachers?	

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