

7

Lesson Exemplar for TLE

Quarter 4

Lesson

2

Lesson Exemplar for TLE Grade 7
Quarter 4: Lesson 2 (Week 2)
SY 2024-2025

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TLE/QUARTER 4/ GRADE 7

I. CURRICULUM CONTENT, STANDARDS, AND LESSON COMPETENCIES	
A. Content Standards	Demonstrate an understanding of the codes and standards in industrial arts services.
B. Performance Standards	The learners perform mensuration and calculations following safety precautions.
C. Learning Competencies and Objectives	<p>Learning Competency</p> <ul style="list-style-type: none"> • Discuss the basic concepts of the building code, electrical code, electronics code, traffic, and road signs. <ol style="list-style-type: none"> 1. Describe the legal bases behind building code, electrical code, electronics code and traffic and road signs in the Philippine setting. 2. Identify government agencies regulating and implementing set codes and standards for industrial arts services. 3. Discuss basic requirements and standards for building code, electrical code and electronics code of the Philippines. 4. Identify traffic and road signs in the Philippines. • Explain the importance of following the set codes and standards for industrial arts services. <ol style="list-style-type: none"> 1. Adhere to the importance of following the set codes and standards for industrial arts services in daily life.
D. Content	<p>Codes and Standards in Industrial Arts Services:</p> <ul style="list-style-type: none"> • National Building Code of the Philippines or Republic Act No 6451 (residential construction) • Philippine Electrical Code (Residential Wiring) • Philippine Electronics Code • Traffic and road signs
E. Integration	SDG 11: Sustainable Cities and Communities

II. LEARNING RESOURCES
<p>Chan, Joselito Guianan M. P. (n.d.). <i>The National Building Code of The Philippines</i>. Chan Robles Virtual Law Library. https://chanrobles.com/republicactno6541.htm</p> <p>Dokumen.tips. (n.d.). <i>The Philippine Electronics Code Volume 1 (safety)</i>. (PDF). https://dokumen.tips/documents/the-philippine-electronics-code-volume-1-safety.html</p> <p>Electrician Philippines. (n.d.). <i>Philippine Electrical Code Summary</i>. https://electricianphilippines.com/philippine-electrical-code-summary/</p> <p>LTO Portal PH. (2023). <i>List of LTO traffic signs and symbols in the Philippines</i>. https://ltoportal.ph/lto-traffic-signs-symbols-philippines/</p>

Official Gazette of the Republic of the Philippines. (n.d.-b). *Republic acts*. <https://www.officialgazette.gov.ph/section/republic-acts/>







Pangonilo, V. (2023). *Philippine Electrical Code (PEC) – A Primer*. Filipino Engineer Blog. <https://filipinoengineer.com/blog/2023/06/philippine-electrical-code-pec-a-primer.html>





Shaili. (2022). *The 3 little pigs story for children with moral*. Firstcry Intelli Education. <https://www.firstcry.com/intelli/articles/story-of-the-three-pigs-with-moral-for-kids/>

The Course Hero. (n.d.). *ECE 204 - Unit 6 - Philippine Electronics Code.pdf*. <https://www.coursehero.com/file/168198369/ECE-204-Unit-6-Philippine-Electronics-Codepdf/>

UNDRR. (2007). *Hazard*. <https://www.undrr.org/terminology/hazard>

Wikimedia Foundation. (2024, January 29). *Road signs in the Philippines*. Wikipedia. https://en.wikipedia.org/wiki/Road_signs_in_the_Philippines

III. TEACHING AND LEARNING PROCEDURE		NOTES TO TEACHERS
A. Activating Prior Knowledge	<p>DAY 1</p> <p>1. Short Review: Community Builders</p> <p>Directions: Identify the different careers or business opportunities in industrial arts being shown in the picture.</p> <div> <div>1.  Source: Free carpenter Clipart Images Freemages. (n.d.). https://www.freemages.com/illustrations/clipart/carpenter</div> <div>2.  Source: IconicBestiary. (n.d.). <i>Engineer man working with breaker and fuse box stock vector art 1193095903</i>. https://www.istockphoto.com/search/2/image?phrase=electrician%20clipart</div> <div>3.  Source: Art-Sonik. (n.d.). <i>Pipe fittings vector icon stock vector art 578287918</i>. https://www.istockphoto.com/search/2/image?phrase=plumber%20clipart</div> <div>4.  Source: Ginny. (n.d.). <i>Flat car mechanic PNG and Vector</i>. Pngtree. https://pngtree.com/so/car-mechanic-clipart</div> <div>5.  Source: RonFullHD. (n.d.). <i>Welding stock vector art 485226696</i>. https://www.istockphoto.com/search/2/image?mediatype=illustration&phrase=welder%20clipart%20art</div> <div>6.  Source: Mason / bricklayer clipart. Free download transparent .PNG Creazilla. (n.d.). https://creazilla.com/nodes/12891-mason-bricklayer-clipart</div> </div> <p>2. Feedback</p> <p>1. Do you have a community builder in your family?</p>	<p>The teacher can describe the career/business opportunity if printing of picture will not be available.</p> <p>Answer key:</p> <ol style="list-style-type: none"> 1. Carpenter / Construction Services (Woodwork) 2. Electrician / Electrical – Electronic Services (Electrical installation and maintenance) 3. Plumber / Construction Services (Plumbing) 4. Automotive Mechanic / Automotive and small engine (Automotive servicing) 5. Welder / Construction Services (Metal Works) 6. Mason / Construction Services (Masonry)

	2. If given the opportunity, which career path in industrial arts will you pursue? Why?	
B. Establishing Lesson Purpose	<p>1. Lesson Purpose</p> <div> <div>1.  Source: Premium Vector Isolated modern house on fire. (2019, February 12). Freepik. https://www.freepik.com/premium-vector/isolated-modern-house-fire_3919428.htm</div> <div>2.  Source: Free Vectors Illustration of electric shock. (n.d.). https://en-ac-illust.com/clip-art/926052/illustration-of-electric-shock</div> <div>3.  Source: Traffic accident clipart. Free download transparent .PNG Creazilla. (n.d.). https://creazilla.com/nodes/7817498-traffic-accident-clipart</div> </div> <p>2. Unlocking Content Vocabulary</p> <ul style="list-style-type: none"> • Building - a structure with a roof and walls, such as a house, school, store, or factory. • Republic Act - is a piece of legislation used to create policy in order to carry out the principles of the Constitution. It is crafted and passed by the Congress of the Philippines and approved by the President of Philippines. It can only be repealed by a similar act of Congress. • Permit - an official document giving someone authorization to do something. • Dwelling - a house, apartment, or other place of residence. • Fire-resistive materials - so resistant to fire that for a specified time and under conditions of a standard heat intensity it will not fail structurally or allow transit of heat and will not permit the side away from the fire to become hotter than a specified temperature. • Hazard - A process, phenomenon or human activity that may cause loss of life, injury or other health impacts, property damage, social and economic disruption, or environmental degradation. 	<p>The teacher can elicit attention and establish purpose for this lesson by asking students to describe the pictures presented.</p> <p>The teacher can also use news headlines or clippings and have learners read the article and ask how they feel about it.</p> <p>The teacher then relates students' responses to today's new lesson.</p>
C. Developing and Deepening Understanding	<p>SUB-TOPIC 1: National Building Code of The Philippines Or Republic Act no 6451 (Residential Construction)</p> <p>Do you know the story of the three little pigs?</p> <p>Source: Shaili. (2022b, September 6). <i>The 3 Little Pigs Story for children with Moral</i> [Image]. Firstcry Intelli Education. https://www.firstcry.com/intelli/articles/story-of-the-three-pigs-with-moral-for-kids/</p> 	<p>The teacher can download the picture and story of the three little pigs here: Shaili. (2022, September 6). <i>The 3 Little Pigs Story for children with Moral</i>. Firstcry Intelli Education. https://www.firstcry.com/intelli/articles/story-of-the-three-</p>

Processing Questions:

1. Who are the main characters and what are their qualities?
2. What are their houses built upon?
3. What happened to the main characters when confronted by the wolf?
4. Can you relate the story in real life? In what area/s can you compare it?

1. Explicitation

1. What is the National Building Code of the Philippines?
2. What government agency/ies is responsible for implementing and regulating Republic Act 6451 or PD 1096?
3. What are the basic requirements in residential constructions?

2. Worked Example

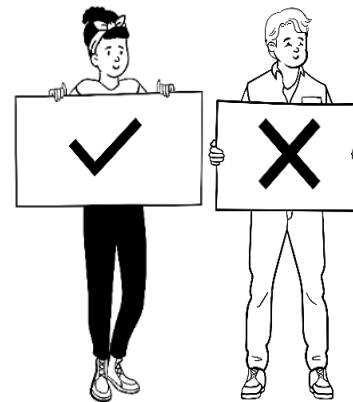
Present and discuss to the class the National Building Code of the Philippines.

THE NATIONAL BUILDING CODE OF THE PHILIPPINES - PRESIDENTIAL DECREE NO. 1096 Adopting A National Building Code of The Philippines Thereby Revising Republic Act Numbered Sixty-Five Hundred Forty-One (RA 6541)

3. Lesson Activity: Inspector Engineer

Let students imagine that they are the city building official and their classroom as a place of dwelling. Let them inspect through a checklist if the classroom will pass the minimum requirement for residential dwellings. 9-10 checks will mark the building passed.

✓or X	Minimum Requirements
	Dwelling location and lot occupancy
	Light and ventilation
	Sanitation
	Foundation
	Post
	Floor
	Roof
	Stairs
	Entrance and Exit
	Electrical Requirements
	Mechanical Requirements



pigs-with-moral-for-kids/ and have the students read the story.

Answer key:

1. The three little pigs. 1st pig-lazy, 2nd pig-stubborn, 3rd pig-laborious and intelligent.
2. 1st pig-straw, 2nd pig-wood, 3rd pig-bricks.
3. Pigs 1 and 2's houses were destroyed and went to Pig 3 for help and shelter.
4. Acknowledge different answers from learners, as they come from different experiences, household and have different values.

Aside from giving examples of constructions materials, the story is also value-laden, with focus on perseverance, planning and hard work.

The teacher is advised to download the code:

<https://www.dpwh.gov.ph/DPWH/files/nbc/PD.pdf>

The teacher will present and discuss the basic concepts and salient points of the National Building Code of the Philippines and focusing only on the residential construction.

Processing Questions:

1. How do you mark the building were in? Did it pass or fail the minimum requirements for residential dwelling upon your inspection?
2. What specific requirements did you put an X on the score card?
3. What suggestions can you make based on your observations / inspections?

DAY 2

SUB-TOPIC 2: Philippine Electrical Code (Residential Wiring)

1. Explicitation

- What is the Philippine Electrical Code (PEC)?
- What government agency/ies is responsible for implementing and regulating PEC?
- What are the basic requirements in residential wiring?

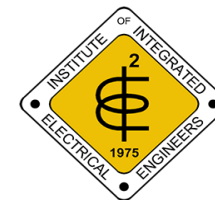
2. Worked Example

Present and discuss to the class the Philippine Electrical Code.

The Philippine Electrical Code (PEC) is a set of standards and regulations that govern the safe and proper installation, operation, and maintenance of electrical systems in the Philippines. It provides guidelines for electrical design, wiring, equipment selection, grounding, protection, and other related aspects to ensure electrical safety and efficiency.



Source: *Philippine electrical code Part 1 2017 edition, new provisions and impacts.* (2023, October 22). Electrician Philippines. <https://electricianphilippines.com/philippine-electrical-code-part-1-2017-edition-new-provisions-and-impacts/>



Objectives:

- a) Safe Use of Electricity** – to establish basic materials quality and electrical work standards for the safe use of electricity for light, heat, power, communications, signaling and for other purposes.

After site requirements discussion, the teacher can ask students to evaluate the site where their houses are built. On a half short bond paper, let them draw flags like the icon below widely identified as “Marked Safe” developed by a social media application to let other people know that you are safe from a disaster.

Let them draw three “Marked Safe” flags if their site is sanitary, hygienic, and safe.

The teacher can use the activity in the worksheet for guided practice.

The following notes are related in the study of electrical code / requirements. The teacher may present this as reference to the topic.

- Republic 7920 – New Electrical Engineering Law
- Republic Act No. 9514 (3) - Fire Code of the Philippines of 2008

If the teacher is not a Licensed Electrical Practitioner, he/she may invite the expertise of a Licensed Electrical Practitioner

	<p>b) Adequacy – strict compliance with the provisions of this Code will ensure safety in electrical installation and construction, but not necessarily efficient, convenient, or adequate for good service or future expansion of electrical use.</p> <p>The use of PEC is mandated by R.A. 7920 (formerly R.A. 184), also known as the New Electrical Engineering Law. Likewise, referral codes are also used which are mandated by their corresponding laws.</p> <ol style="list-style-type: none"> 1. P.D. 1096 – National Building Code 2. P.D. 1185 – Fire Code of the Philippines 3. Structural Code R.A. 7920 – is an act providing for a more responsive and comprehensive regulation for the practice, licensing and registration of electrical engineers and electricians. <p>Government Authorities who implement PEC</p> <ol style="list-style-type: none"> 1. Office of the Building Official 2. Office of the City Electrician (City Electrical Supervising Engineer) 3. Office of the Municipal Electrician (Municipal Electrical Supervising Engineer) 4. Regional Office of the DOLE <p>The local Building Officials are responsible in enforcing the provisions of the Philippine Electrical Code as indicated in RA 7920, Sec 39 and PD 1096, Sections 205 and 1301.</p> <p>The role of the Bureau of Fire Protection (BFP) as per provisions of the Republic Act No. 9514(3), Fire Code regarding electrical systems is to enforce the provisions of the Fire Code particularly Section 7.A.1 to ensure that there are no violations as per Section 8.B. It has no legal authority on the design of electrical system.</p> <p>Permits and inspection certificates</p> <p>A permit is required before undertaking any electrical installation. An inspection is also required after which certificate of final electrical inspection (CFEI) is issued by the authority.</p> <p>Exceptions</p> <p>A permit is not required for;</p> <ol style="list-style-type: none"> 1. the installation of electrical portable equipment rated not more than 1,200 VA. 2. reconnection of disconnected service due to non-payment of electric bill or change of occupants for a period of one year. 	<p>(PEE, REE or RME) to discuss the history of PEC and its purpose and contents.</p> <p>The teacher should also emphasize the Institute of Integrated Electrical Engineers (IIEE) as an accredited professional organization which is responsible for the Philippine Electrical Code development.</p> <p>The teacher may ask students if they have electricians, electrical engineers, fire fighters, and other city building officials in the family. And if given the opportunity, will they also be like their family members? Why or why not?</p> <p>All sections stated in this lesson are based on the latest Philippine Electrical Code.</p> <p>The teacher can pair the students to foster collaboration and communication.</p>
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3. Lesson Activity: T-I-L-T. Things I Learned Today, with a Pair!

What?	Who?	How?

Directions: In the boxes provided, the students will answer the following essential questions:

1. What is the legal bases of the Philippine Electrical Code?
2. Who are the government agencies implementing PEC?
3. How is our lesson today connected to the previous lesson?

(To apply what the students learned during the lesson, an additional activity will be given. See worksheet #1 for the activity which students will accomplish.)

DAY 3

SUB-TOPIC 3: Philippine Electronics Code

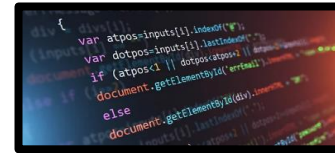
Topic Reveal!



Source: <https://w1.pngwing.com/pngs/314/634/png-transparent-flag-philippines-flag-of-the-philippines-filipino-line-area-rectangle.png>



Source: <https://static.vecteezy.com/system/resources/thumbnails/006/523/466/small/circuit-computer-motherboard-circuit-chip-board-photo.jpg>



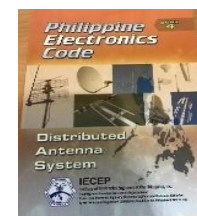
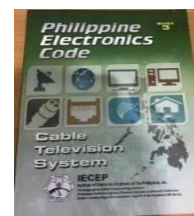
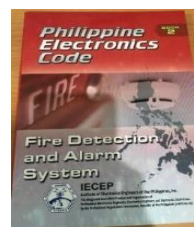
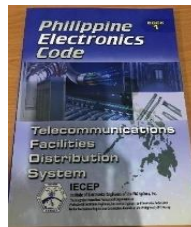
Source: https://st4.depositphotos.com/1000128/21747/i/450/depositphotos_217479340-stock-photo-creative-abstract-php-web-design.jpg

1. Explicitation

1. What is the Philippine Electronics Code?
2. What government agency/ies is responsible for implementing and regulating Philippine Electronics Code?

2. Worked Example

The Philippine Electronics Code



Source: <https://www.facebook.com/photo?fbid=532903300393954&set=pcb.532903550393929>

Answer key:

1. RA 7920 – New Electrical Engineering Law, P.D. 1096 – National Building Code, P.D. 1185 – Fire Code of the Philippines and R.A. 7920 – Structural Code of the Philippines
2. A. Office of the Building Official
B. Office of the City Electrician (City Electrical Supervising Engineer)
C. Office of the Municipal Electrician (Municipal Electrical Supervising Engineer)
D. Regional Office of the DOLE
E. Bureau of Fire Protection to enforce the provisions in the fire code.
3. One key component to getting a building permit is to have electrical requirements checked. This is to avoid future disasters like fire and explosions in buildings.

SECTION I: GENERAL RULES

1.1 PURPOSE OF RULES

The primary purpose of these rules is to establish, for the Republic of Philippines, uniform standards, regulations and requirements for Electronics and Communications Design, planning manufacture, production, fabrication, construction, installation, operation, and maintenance, the application of which will insure adequate protection and safety to persons therein engaged and as well as in the provision, operation and use of electronics and or communications components, devices, equipment, systems, plants, stations, services, and or facilities. Application of the rules will also establish an acceptable level of protection for electronics and communication devices, equipment, and plant from damages due to electrical and/or physical hazards.

SECTION III: GENERAL ELECTRICAL PROTECTION AND GROUNDING REQUIREMENTS

3.1 GENERAL

Electrical protection measures covered in this Code are directed against the effects of lightning, accidental contact with power lines, voltages/ electromagnetically /electrostatically induced into communication circuits by normal or fault currents in parallel runs of power lines and, also, local earth potential rises due to the flow of lightning or power fault currents.

3.1.1 Objective

Communication systems are subject to electrical hazards from exposure to lightning and power systems and unless adequate protection measures are employed, such exposures may result in loss of life, service interruptions and excessive maintenance expense.

A. The primary considerations of electrical protection are:

- a) to minimize, as far as practicable, electrical hazards to persons engaged in construction, operation, maintenance or use of communication systems;
- b) to reduce, as far as practicable damage to equipment and plant;
- c) to eliminate, as far as practicable, any fire hazard resulting from the operation of communication systems; and
- d) to minimize, as far as practicable, acoustic shock hazards to anyone using communication services.

Government Agencies tasked to implement Philippine Electronic Code:

The Department of Interior and Local Government (DILG), Department of Public Works and Highways (DPWH), Department of Information and Communications

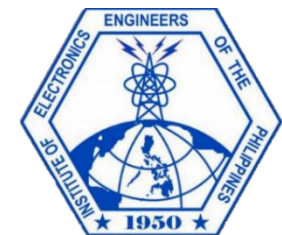
To introduce a new lesson, the teacher can do the “Topic Reveal!”. The teacher can post the pictures one at a time, either printed or through presentation.

Variation: The teacher can cover part of the picture to make it more challenging to the class.

Answer:

Philippine Electronic Code

The teacher should emphasize the four books of the



Philippine Electronics Code by INSTITUTE OF ELECTRONICS ENGINEERS OF THE PHILIPPINES (IECEP) and the existence of the organization.

Technology (DICT) and Department of Trade and Industry (DTI) goes hand in hand for Joint Memorandum Circular No. 2018-01 dated January 4, 2018 – Guidelines in Streamlining the Process for the Issuance of Building Permits and certificates of Occupancy.

3. Lesson Activity: Pass The Message

A group messaging relay game.

Directions: The goal is to correctly relay the message from the first person to the last person on the line. Group students into 10 and let them form a line. The first person on the line will read silently the message to be relayed and will say it to the next person until the message is sent to the last person on the line. The first group to finish the task correctly wins. The message to be relayed is “Sustainable Development Goal 11: Sustainable Cities and Communities.”

Processing Questions:

1. Did everyone get the correct message?
2. For the winning team, what do you think went right?
3. For the losing team, what do you think went wrong?
4. How can you relate it to the objectives of the Philippine Electronics Code?

DAY 4

SUB-TOPIC 4: Traffic and Road Signs in The Philippines

Guess The Logo:



The teacher will present topic/lesson on Philippine Electronics Code.

All sections stated in this lesson are based on the Philippine Electronic Code.

The teacher may use this presentation as reference for all the definition of terms related to this topic:

<https://prezi.com/gpmzcs-xaaym/the-philippine-electronics-code/>

The teacher may invite the expertise of a Professional Electronics Engineer to discuss the essence of Philippine Electronic Code Book 1, Book2 2, Book 3 and Book 4.

The teacher can group students depending on the class size.

(Good for two meetings)

1. Explicitation

Going to and from the school, what traffic signs do you commonly see?



Source: Nuryadin, A. (2022, May 9). *Download orderly child crossing the road at the crossroad for free.* Vecteezy. <https://www.vecteezy.com/vector-art/7544768-orderly-child-crossing-the-road-at-the-cross-road>

Processing Questions:

1. What are road and traffic signs and symbols?
2. What government agencies regulate and implement road and traffic signs in the Philippines?
3. Why is it important to know these road and traffic signs?
4. What are the road and traffic signs in the Philippines?

2. Worked Example

Road Traffic Signs and Symbols

Road traffic signs and symbols serve as visual indicators intended to direct drivers and pedestrians safely to their destinations. These markers provide directions, warnings, or instructions that both drivers and pedestrians must heed while on public roads. While most signs are located at the side of the street, some can also be positioned above roads or on pavements, bridges, and even on the roads themselves.

Traffic signs in the Philippines are created to be straightforward, prominent, and easily comprehensible. They are typically displayed in large letters or depicted as clear pictures or symbols. To ensure understanding among locals, some signs are translated into Filipino or the local dialect. Overall, these signs are meticulously designed to avoid any misinterpretation of their meanings.

To facilitate connection with previous topics, the teacher can ask students to guess the logo of the different government agencies previously discussed and name the one government agency which will be tackled in this lesson.

Answer key:

1. Department of Trade and Industry
2. Department of Interior and Local Government
3. Department of Public Works and Highways
4. Land Transportation Office (NEW)
5. Bureau of Fire Protection
6. Department of Information and Communications Technology

This is also a good mind setting on the use of pictures or logo as the next topic will be symbol and sign laden.

The teacher can present the image to help facilitate new learning.

The teacher will present and discuss the different road and traffic signs in the Philippines.

Complete List of Road Traffic Signs and Symbols in the Philippines

The traffic signs are divided into eight categories namely:

1. Regulatory Signs

- Priority Signs
- Directional Signs
- Prohibitive / Restrictive Signs
- Speed Signs
- Parking and Stopping Signs
- Miscellaneous Signs

2. Warning Signs

- Horizontal Signs
- Intersection Signs
- Advance Warning / Traffic Control Device Signs
- Road Width Signs
- Road Obstacle Signs
- Pedestrian Signs
- Railway Level Crossing Signs
- Supplementary Signs
- Other Warning Signs

3. Guide / Informative Signs

- Advance Direction Signs
- Intersection Direction Signs
- Reassurance Direction Signs
- Fingerboard and Direction Signs
- Street Names Signs
- Town Names and Geographical Feature Signs
- Service Signs
- Tourist Information and Tourist Destination Signs
- Route Markers
- Asian Highway Route Marker

4. Signs on Expressway

- Expressway Approach Signs
- Expressway Information Signs
- Advance Exit Signs
- Expressway Exit Direction Signs
- Expressway Service Signs
- Start and End of Expressway Signs
- Toll Signs
- Expressway Traffic Instruction and Regulatory Signs

5. Traffic Instruction Signs

- Supplementary Signs
- Movement Instructions Signs

6. Hazard Markers

The teachers in rural areas with no traffic lights and signs may opt to use videos to introduce this to learners with no exposure to traffic road and road signs.










If the school is in a highly urbanized location, the teacher is encouraged to invite LTO personnel to speak for the Road Traffic Signs and Symbols

If the school is in a highly urbanized location, the teacher may ask the school head to invite LTO personnel to conduct one day seminar for road Traffic Signs and safety.

The following images were all sourced from Wikipedia and Wikimedia commons.

The teacher can choose as many and/or with other variations of the different road and traffic signs.

The teacher should visit/browse the LTO link:

	<div><div>7. Road Work Signs</div><div>8. Pavement markings<ul style="list-style-type: none">• Longitudinal Lines• Traverse Lines• Other Lines• Object Markings• Raised Pavement Markers• Other Markings</div><div>3. Lesson Activity: It's A Sign! Complete the table below by identifying the traffic sign/symbol or drawing it.</div><table><tr><th>Traffic Road Signs or Symbols</th><th>What Do They Mean?</th></tr><tr><td>1. </td><td></td></tr><tr><td>2. </td><td></td></tr><tr><td></td><td>3. Stop</td></tr><tr><td></td><td>4. No Parking</td></tr><tr><td>5. </td><td></td></tr></table></div>	Traffic Road Signs or Symbols	What Do They Mean?	1. 		2. 			3. Stop		4. No Parking	5. 		<div>List of LTO Traffic Signs and Symbols in the Philippines - LTO Portal PH</div> <div>List of PH LTO Traffic Signs and Symbols Explained LTO Portal</div> <div>The teacher may have his/her options to create a an engaging activities related to traffic signs and symbols.</div>
Traffic Road Signs or Symbols	What Do They Mean?													
1. 														
2. 														
	3. Stop													
	4. No Parking													
5. 														
D. Making Generalizations	<div><div>1. Learners' Takeaways<ul style="list-style-type: none">1. What is your favorite topic and why?2. What is the importance of learning all the topics in Week 2?3. What disasters can be avoided by learning all these topics?</div><div>2. Reflection on Learning Watch the video on YouTube entitled, Understand Goal 11: Sustainable Cities and Communities (Secondary) which can be found on this link: https://www.youtube.com/watch?v=VrBrpSTwPK8<ul style="list-style-type: none">1. As a student, what can you do to contribute to achieving our efforts for Sustainable Development Goal 11?2. How do you feel now that you were able to learn all these things?</div></div>													

IV. EVALUATING LEARNING: FORMATIVE ASSESSMENT AND TEACHER'S REFLECTION		NOTES TO TEACHERS
A. Evaluating Learning	<p>1. Formative Assessment</p> <p>Short Quiz</p> <p>Directions: Write the correct letter of the answer.</p> <ol style="list-style-type: none"> What government policy or law states that purpose of this Code is to provide for all buildings and structures, a framework of minimum standards and requirements to regulate and control their location, site, design, quality of materials, construction, use, occupancy, and maintenance? <ol style="list-style-type: none"> Fire Code of the Philippines National Building Code Philippine Electrical Code Philippine Electronics Code Which government agency imposes the requirement of learning the traffic rules, signs, and symbols to acquire a driver's license? <ol style="list-style-type: none"> Bureau of Fire Protection Department of Interior and Local Government Department of Public Works and Highways Land Transportation Office Which among the following is a group of minimum requirements for a Building Permit? <ol style="list-style-type: none"> Sanitation, Roof, Electrical Requirements, Ventilation Cleanliness, Building, Mechanical Inspection, Foundation Floor, Entrance and Exit, Air, History Light and Ventilation, Post, Type of Persons Occupying, Address The Philippine Electrical Code (PEC) covers electrical protection measures against: <ol style="list-style-type: none"> effects of lightning. accidental contact with power lines. voltages/ electromagnetically /electrostatically induced into communication circuits by normal or fault currents in parallel runs of power lines. 	<p>Answer key:</p> <ol style="list-style-type: none"> B. D. A. D. B.

	<p>d. all of the above</p> <p>5. Identify this warning sign:</p> <p>a. Asian Highway Marker</p> <p>b. Intersection</p> <p>c. No left turn</p> <p>d. Service Sign</p>			
	<p>2. Homework</p>			
B. Teacher's Remarks	<i>Note observations on any of the following areas:</i>	Effective Practices	Problems Encountered	<p>The teacher may take note of some observations related to the effective practices and problems encountered after utilizing the different strategies, materials used, learner engagement and other related stuff.</p> <p>Teachers may also suggest ways to improve the different activities explored/ lesson exemplar.</p>
	Strategies explored			
	Materials used			
	Learner engagement/ interaction			
	Others			
C. Teacher's Reflection	<p><i>Reflection guide or prompt can be on:</i></p> <ul style="list-style-type: none"> ▪ <u>principles behind the teaching</u> What principles and beliefs informed my lesson? Why did I teach the lesson the way I did? ▪ <u>students</u> What roles did my students play in my lesson? What did my students learn? How did they learn? ▪ <u>ways forward</u> What could I have done differently? What can I explore in the next lesson? 			<p>Teacher's reflection in every lesson conducted/ facilitated is essential and necessary to improve practice. You may also consider this as an input for the LAC/Collab sessions.</p>