

Science 4

Microlearning Module

QUARTER 4 – Module 6C

Safety Precautions to Use During Poor or Extreme Weather Conditions



Science 4



REGION XII - DIVISION OF SULTAN KUDARAT

GOVERNMENT PROPERTY
NOT FOR SALE

Microlearning Module (MLM)

Quarter 4 Module 6C: Safety Precautions to Use During Poor or Extreme Weather Conditions

First Edition, 2024

Republic Act 8293, Section 176 states that “No copyright shall subsist in any work of the Government of the Philippines.” However, obtaining prior approval from the government agency or office where the work originated is required for the commercial use of such work. This agency or office may, among other things, impose as a condition the payment of royalties.

Materials borrowed for this module (e.g., songs, stories, poems, images, brand names, trademarks, etc.) are the property of their respective copyright owners. The publisher and authors do not assert ownership or representation over them.

Published by the Department of Education- RO XII, Division of Sultan Kudarat

Development Team	
Writer	: Sanchisa L. Rizano
Editor	: Cherry B. Escoto Agnes S. Morante Mary Gayle L. Espana Dominador B. Rebugio, Jr.
Evaluator	: Rachelle B. Galam
Illustrator	: Sanchisa L. Rizano
Cover Art Designer:	Jann Mark P. Oriel
Management Team:	Crispin A. Soliven Jr., CESE – Schools Division Superintendent Meilrose B. Peralta, EdD – Asst. Schools Division Superintendent Ismael M. Ambalgan – Chief, CID Sheryl L. Osano – EPS, LRMS Eric R. Balancio - EPS, SCIENCE Cherry B. Escoto - Principal- III

Printed in the Philippines by

Department of Education Region XII, Division of Sultan Kudarat

Office Address: Kenram, Isulan, Sultan Kudarat

Telefax: 064-471-1007

E-mail Address: depedsk.r12@deped.gov.ph

MICROLEARNING MODULE

Name: _____ Grade & Sec: _____ Score: _____

Subject: Science 4 Quarter: 4 MLM No. 6C

Teacher: _____

Competency: **The learners examine a local weather chart to make simple interpretations about the local weather and how it might change describe and practice safety precautions to use during poor or extreme weather conditions.**

Safety Precautions to Use During Poor or Extreme Weather Conditions

A. Look Back!

How were you able to come up with an understanding of poor or extreme weather conditions? What are the things you need to be aware of? Let's first have a simple review of your past lesson.

Directions: Read and understand the following questions. Write your answer on a sheet of paper.

1. Typhoon signal no. 1 is raised over the place where you live. Classes are not suspended. However, the place where you live gets flooded easily when it rains. Would you go to school? Why? or why not?
 - A. I will not go to school but just play in the rain.
 - B. I will go to school so I will not be marked absent.
 - C. I will go to school because my teacher might be angry.
 - D. I will not go to school because I might be caught in the flood.
2. Which of the following situations shows signal number 2?
 - A. Massive damage is expected in affected communities.
 - B. Classes at all levels are automatically suspended in affected communities.
 - C. Classes at preschool levels in all public and private schools in communities are automatically suspended.
 - D. Classes in preschool, elementary, and high school levels in all public and private schools in the affected areas are automatically suspended.

3. People are advised not to travel, especially by sea or air transportation and people should also seek shelter in strong buildings, evacuate from low-lying areas, and stay away from seacoasts or river banks. What storm signal is being announced?
- A. storm signal number 1
 - B. storm signal number 2
 - C. storm signal number 3
 - D. storm signal number 4
4. All statements are correct **EXCEPT** one.
- A. In storm signal no. 2, few big trees may be uprooted.
 - B. People are advised **not** to travel in storm signal no. 3.
 - C. Storm signal no. 3 may cause electrical power disruption.
 - D. Storm signal number 1 may cause some banana plants to put down.
5. All are the importance of knowing storm signals. Which one is **NOT**?
- A. It is used to inform the people that they will not be affected.
 - B. It is used to know how great or intense a certain typhoon is.
 - C. Storm warning signals is used to indicate the class suspension.
 - D. It makes the people aware of what a certain typhoon can bring them.

B. What's New?

Look at the pictures below.



What can you say about these pictures?

What do you know about extreme weather?

What do we need to know to keep us safe in this kind of extreme weather?

Do some activities to clarify thoughts regarding safety precautionary measures before, during and after poor and extreme weather conditions.

Activity B.1: “Are you Prepared, Ready and Safe?”

What you need:

Role-playing props

What to do:

1. Group yourselves into 3.
2. A. Group I - Role playing (What to do in school/at home before the typhoon?)
B. Group II - Talk Show (Topic: What to do during the typhoon?)
C. Group III - News Reporting (What to do after the typhoon?)

Guide Questions:

1. What are the things or activities you need to prepare before a Typhoon?
2. comes, and you need to do during and after the typhoon?
3. Why is it important to know the precautionary measures before, during, and after a typhoon comes?
4. Presentation of output.

C. What Is It?

Extreme weather destroys the properties and lives of the people. Extreme events are occurrences of unusually severe weather or climate conditions that can cause devastating impacts on communities and agricultural and natural ecosystems.

In cases like this, we are advised to stay home and take necessary precautions. It is necessary to prepare ourselves to be safety or secure before, during, and after the coming of disaster.

Here are the things we need to know and do before, during, and after the coming of disaster.

Before a Typhoon

1. Listen to the weather forecast. Tune in radio set, or television or read a newspaper.
2. Check and fix any damaged or unstable parts of the house to withstand strong winds.
3. Store an adequate supply of ready-to-eat- food, clean water, and clothing.
4. Prepare flashlights, batteries, candles, and kerosene lamps.
5. Have first aid kits with enough medical supplies.
6. Check and clean the community drainage system to prevent flood.
7. Check electric posts to prevent accidents.
8. Know the location of evacuation centers in town.
9. Secure domesticated animals in a safe place.

During a Typhoon

1. Stay calm and you must know what to do.
2. If there's no advice to evacuate, it's better to stay indoors. Postpone any travel.
3. Always keep updated on the latest weather report.
4. Cover your glass windows and appliances with cloth to avoid splinters when they break.
5. If you see signs of water rising, it's better to turn off the main source of electricity.
6. Keep your electric-powered items stored in higher areas and refrain from using them during a flood.

7. Do not wade along flooded areas to keep from contracting water-borne diseases.
8. Wear protective gear such as raincoats, and boots, to protect yourself.
9. Wear additional clothing to avoid catching colds or other respiratory diseases.
10. Follow the advice of the local authorities.

After a Typhoon

1. Monitor and be updated with the progress of typhoons through available sources.
2. Watch out for live wires or any electrical outlets that have submerged in water. Have a knowledgeable person to inspect electrical connections before using electrical appliances.
3. Repair all damage in the house. Clean the house and surroundings, too.
4. Boil water before drinking to avoid water-borne diseases from contaminated water.
5. Wear protective gear such as boots. Water-borne diseases, such as Leptospirosis, do not only spread during typhoons but also after typhoons.
6. Clean up and dispose of things that may be breeding places for mosquitoes, especially water in tires, cans, or pots.

D. Let's Evaluate

Directions: Read and examine very well each statement. Write the letter of the correct answer on a separate sheet of paper.

1. Why should I plan ahead for a disaster?
 - A. Disaster relief may reach you right away.
 - B. People could sleep well when the disaster comes.
 - C. Local government could prepare for the subsistence.
 - D. Kids could enjoy swimming in the heavy downpour of rain.

2. All are being done before the typhoon EXCEPT for one.
- A. Have first aid kits with enough medical supplies.
 - B. Check and clean the community drainage system to prevent flood.
 - C. Store an adequate supply of ready-to-eat- food, clean water, and clothing.
 - D. Prepare flashlights, batteries, candles, kerosene lamps, and television.
3. Which of the following situations shows safety things to be done during extreme weather?
- A. Know the location of evacuation centers in town.
 - B. Keep your electric-powered items stored in higher areas and refrain from using them during floods.
 - C. Watch out for live wires or any electrical outlets that have submerged in water.
 - D. Boil water before drinking to avoid water-borne diseases from contaminated water.
4. Wear protective gear such as boots because water-borne diseases, such as Leptospirosis, spread in the water. When are you going to do this?
- A. after the typhoon
 - B. during the typhoon
 - C. before the typhoon comes
 - D. during and after the typhoon
5. What should you avoid during poor or extreme weather?
- A. Wear protective gear such as boots.
 - B. Turn off the main source of electricity.
 - C. Wade or walk through flooded areas.
 - D. Wear additional clothing to avoid catching colds.

6. Before a typhoon, you need to prepare important things to be brought during the evacuation. Which of the following are **NOT** necessarily to be included in the preparation?
- A. first aid kits with enough medical supplies
 - B. flashlights, batteries, candles, kerosene lamps
 - C. books, toys, electric fan, camera, laptop and pets
 - D. adequate supply of ready-to-eat- food, clean water and clothing
7. What do we need to know and do if the weather is poor or extreme?
- A. Sleep well.
 - B. Prepare for a travel.
 - C. Enjoy the television viewing.
 - D. Stay home and take precautionary measures.
8. All statements are precautionary measures to be taken after a typhoon **EXCEPT** for one.
- A. Repair all damage in the house.
 - B. Check and clean community drainage systems to prevent flood.
 - C. Monitor and be updated with the progress of typhoon through available source.
 - D. Watch out for live wires or any electrical outlets that have submerged in water.
9. All are the importance of knowing precautionary measures before, during and after a typhoon. Which one is NOT?
- A. to remain safe and reduce the risk of injury
 - B. to ensure safety and minimize potential damage
 - C. to prepare and cerebrate for the coming weather changes
 - D. to allow communities to lessen the disruptive consequences of natural disasters

10. We are advised to stay home and take necessary precautions to prepare ourselves to be safety or secured before, during and after the coming of disaster.

What are the proper things we need to do?

- I. Before the typhoon, listen to a weather forecast. Tune in radio set, television or read newspaper.
- II. During the typhoon, stay calm and you must know what to do.
- III. After the typhoon, check and fix any damage or unstable parts of the house to withstand strong winds.
- IV. Repair all damages in the house. Clean the house and surroundings, too, after the typhoon.

A. I, II and III

C. I, II and IV

B. II, III and IV

D. I, II, III, and IV

F. References

Abutay et al. 2015. Science Teacher's Guide. Pasig City: Lexicon Press, Inc.

Abutay et al. 2015. Science Learner's Material. Pasig City: Lexicon Press, Inc.

Wikipedia.[https://en.wikipedia.org/wiki/Extreme weather](https://en.wikipedia.org/wiki/Extreme_weather) s(Accessed: 08 June 2024).

<https://www.google.com/search?q=extreme+weather+conditions>

<https://www.google.com/search?q=extreme+weather+conditions+definition> <https://www.climatehubs.usda.gov/content/extreme-weather>

<https://typhoonmanila.weebly.com/pagasa-storm-signals-2015.html>

Answer Key

Grade 4 Science
Quarter 4 - LC6C

Let's Try!

1. D 5. A
2. D
3. C
4. C

.

What's New

Activity B.2.
Answers may
vary.

Let's Evaluate

1. C 6. C
2. D 7. D
3. B 8. B
4. A 9. C
5. C 10. C

DISCLAIMER

This Microlearning Module has been developed by DepEd - Division of Sultan Kudarat for educational purposes only. It is designed to supplement classroom instruction and should not be used as the sole source of information. Teachers are encouraged to exercise their professional discretion and tailor the content to suit their students' individual needs.

This resource is the exclusive property of DepEd-Division of Sultan Kudarat and is accessible to enrolled learners solely for academic purposes, at no cost. Any reproduction or conversion of this material in any form is strictly prohibited.

REGION XII - DIVISION OF SULTAN KUDARAT