

# 4



# Science 4

## Microlearning Module

QUARTER 4 – Module 6B

*Poor or Extreme Weather Conditions*



REGION XII - DIVISION OF SULTAN KUDARAT

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**Science 4**  
**Microlearning Module (MLM)**  
**Quarter 4 Module 6B: Poor or Extreme Weather Conditions**

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Development Team	
Writer	: Sanchisa L. Rizano
Editor	: Cherry B. Escoto Agnes S. Morante Mary Gayle L. Espana Dominator 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

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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. 6B

Teacher: \_\_\_\_\_

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

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### Poor or Extreme Weather Conditions

#### **A. Look Back!**

**DIRECTIONS:** Read and answer the following questions. Write your answers on a sheet paper.

1. The day is very warm. Nilo goes out of their house to buy something. He uses umbrella to cover him from the heat of the sun. What condition is being described in this situation?  
A. sky covering  
B. temperature  
C. wind speed  
D. wind direction
2. The kids are playing in the rain. What weather is present during this day?  
A. rainy  
B. stormy  
C. sunny  
D. windy
3. The sky is dark and you hear thunder. Your father requests you to help him harvest the rice. What should you do?  
A. Ignore his request.  
B. Run away from my father.  
C. Wait for the rain to come.  
D. Help my father harvest fastly.
4. There is heavy rain and the speed of the wind is strong. Which of the

following pictures show that there is strong wind?

- A.  B.  C.  D. 

5. When Marlon and Merla looked outside the window, they saw that there are many dark clouds in the sky. How will you interpret the condition that Marlon and Merla had seen outside?

- A. The day was very hot.
- B. The temperature of the day was good.
- C. The condition of the day signified fair weather.
- D. The condition of the day indicated the coming rain.

## B. What's New?

Look at the pictures below.



What do you think are happening in the picture?

What do these tell us?

What do we call these weather conditions?

How significant are these situations, that we need to be aware of?

Let's try some activities to clarify thoughts regarding these conditions.

## Activity B.1: Do You Know Me?

Objective:

Tell the meaning of storm signals

Materials:

manila paper, paper strips, masking tapes

What to do:

1. Group yourselves into 4.
2. Look at the jumbled strips.
3. Read each situation. Group the situations that belong to the same storm signal.
4. Each group is assigned to one storm signal.  
Group 1 - Storm Signal No. 1  
Group 2 - Storm Signal No. 2  
Group 3 - Storm Signal No. 3  
Group 4 - Storm Signal No. 4
5. Paste your answers on a manila paper.
6. Share your work to the class.

\*Classes in preschool, elementary, and high school, levels in all public and private schools in the affected area are suspended.

\*Electrical power and communication services are disrupted.

\*Very strong winds of more than 185 kph is expected to affect a certain area in at least 12 hours.

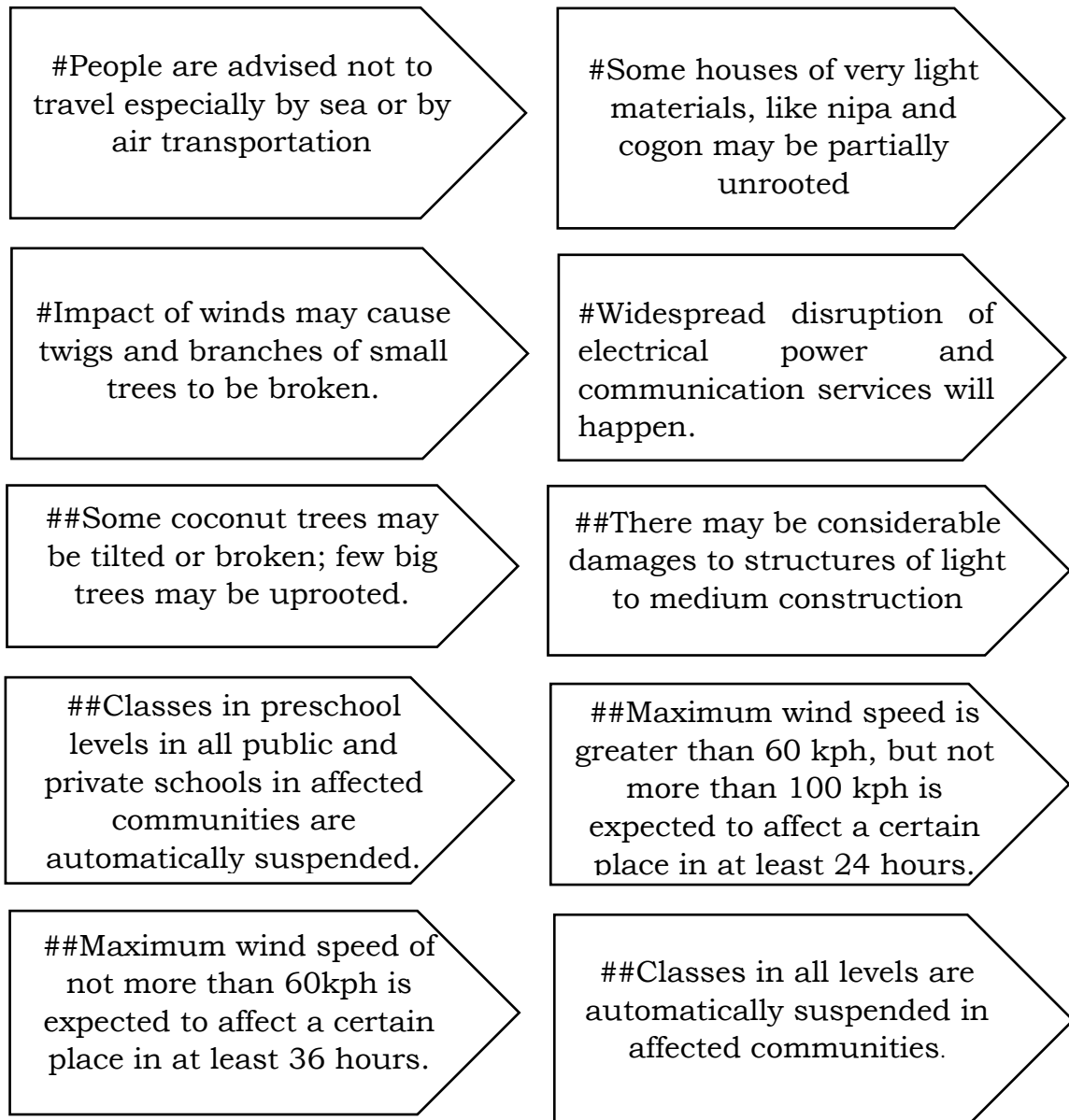
\*People should seek shelter in strong buildings, evacuate from low-lying areas, and stay away from seacoasts of river banks.

\*\*Many large trees maybe uprooted and most residential houses and buildings of mixed construction maybe severely damaged.

\*\*Maximum wind speed of more than 100kph up to 185 kph is expected to affect a certain place in at least 12 to 18 hours.

\*\*Moderate to heavy damage maybe expected, practically in agricultural and industrial sectors.

\*\*Massive damages maybe expected in affected communities.



#### Guide Questions:

1. What are likely to happen if storm signal number 1 is raised?
2. What are likely to happen if storm signal number 2 is raised?
3. What are likely to happen if storm signal number 3 is raised?
4. What are likely to happen if storm signal number 4 is raised?
5. What weather condition are we referring to with this kind of Distraction.

#### **c. What Is It?**

The Philippine Atmospheric, Geophysical and Astronomical Services Administration (PAG-ASA) is mandated to provide protection against natural calamities. It gives weather forecasts, typhoon warnings and other weather conditions, to ensure the safety of all the people, especially if there's extreme weather conditions that's happening.

Extreme weather condition, on the other hand, is significantly different from the average or usual weather pattern. This may take place over one day or a period of time. One of this is stormy weather or typhoon.

During the storm, we need to know some signals to be aware of what to do.

### **Storm Signals**

**Signal No. 1** is put into effect when a maximum wind speed of not more than 60 kph is expected to affect a certain place in at least 36 hours.



Impact of winds may cause twigs and branches of small trees are broken. Some banana plants may be tilted or put down, and some houses of very light materials, like nipa and cogon. Classes in preschool levels in all public and private schools in communities are automatically suspended.

**Signal No. 2** is announced when the maximum wind speed is greater than 60 kph, but not more than 100 kph is expected to affect a certain place in at least 24 hours. Some coconut trees may be tilted or broken,



houses may be partially or totally unroofed, some old galvanized roofing may be peeled off, and in general, the winds may bring light to moderate damages to the communities affected.

With storm signal number 2, classes in preschool, elementary and high school levels in all public and private schools in the affected areas are automatically suspended.



**Signal No. 3** is announced when a maximum wind speed of more than 100 kph to 185 kph is expected to affect a certain place in at least 12 to 18 hours.



Nipa houses may be destroyed, and there may be considerable damages to structures of light to medium construction. There may be widespread disruption of electrical power and communication services, and, in general, moderate to heavy damage may be expected, practically in

agricultural and industrial sectors. With public storm signal number 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. Classes in all levels are automatically suspended in affected communities.

**Signal No. 4** is declared when a very strong winds of more than 185 kph is expected to affect a certain area in at least 12 hours. Many large trees may be uprooted and most residential and buildings of mixed construction may be severely damaged, electrical power disruption and communication services are disrupted, and in general, massive damages are expected in affected communities.



It is necessary for us to know the meaning of each storm signal so that we can prepare for the coming typhoon for our safety and protection.

#### **D. Let's Evaluate**

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

1. Which is true about weather?
  - A. It is always the same as in hot countries.
  - B. It changes from day to day in any places.
  - C. Weather remains the same in same places.
  - D. Weather is long term pattern in a particular area.



2. 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 that I could see my classmates.
  - 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.
3. Which of the following situations shows signal number 2?
- A. Massive damages are expected in affected communities.
  - B. Classes in all levels are automatically suspended in affected communities.
  - C. Classes in 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.
4. 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
5. Mang Pepe prepares his fishing net. He observes that the sky is overcast. What is the best thing he would do?
- A. Hurry up and go on fishing.
  - B. Call other fishermen to on fishing.
  - C. Keep the nets and do not go on fishing.
  - D. He will continue preparing for his net for fishing.

6. Public Storm Signal no. 4 is declared in affected community. How strong is its wind speed?
- A. The maximum wind speed is lesser than 185 kph.
  - B. The maximum wind speed is more than 175 kph.
  - C. The very strong wind speed is more than 185 kph.
  - D. The very strong wind speed is not more than 185 kph.
7. 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 fall down.
8. 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.
9. Why are typhoon signals being raised?
- A. to improve lives and properties
  - B. to warn the public of incoming weather disturbance
  - C. to let the people prepare to go anywhere in the community
  - D. to lessen the destruction of properties and constructed buildings
10. What is likely to happen if public storm signal no. 4 is being declared?
- I. People are advised to evacuate from low-lying areas.
  - II. Very strong wind will affect a certain area in at least 12 hours.
  - III. Electrical power disruption and communication services are disrupted.
  - IV. Most residential and buildings of mixed construction maybe severely damaged.
- A. IV only
  - B. I, II and III
  - C. I, III and IV
  - D. II, III, and IV

## F. References

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## Answer Key

Grade 4 Science  
Quarter 4- LC6B

### A. Look Back

1. B

2. A

3. C

bLLB

### B. What's New

Activity B.1

Answers may

vary

bLLB

### E. Let's Evaluate

1. B

2. D

3. D

4. C

5. C

6. C

7. C

8. A

9. B

10.D

### **DISCLAIMER**

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