



Republic of the Philippines
Department of Education
 REGION VIII - EASTERN VISAYAS

February 27, 2020

REGIONAL MEMORANDUM

No. **152**, s. 2020

REGIONAL TRAINING ON WEATHER 101 AND TROPICAL CYCLONE 101

To: Schools Division Superintendents
 All Others Concerned

1. In support of the aligned vision of the Department of Education and Weather 101 Philippines to enhance the safety of the Filipino communities for disaster-resilient Philippines by improving the Filipino students' awareness on weather-related Disaster Risk Reduction and Management, this Office, in partnerships with the Weather 101 Philippines and the City Savings Bank will conduct a training workshop on weather and tropical cyclones in three (3) clusters on March 10-12, 2020, in specific venues indicated below.

2. The objectives of this activity are the following:

- to provide the participants the groundwork for developing their own disaster-preparedness programs to ensure business and life continuity after a typhoon; and
- to equip them with basic knowledge on weather and tropical cyclones which they can integrate into their lessons and into the curriculum.

3. The participants to this activity are the School Heads and the Division DRRM Coordinators, to complete the allocation of participants per Schools Division, as indicated below.

Cluster 1 March 10, 2020 Venue: Calbayog City		Cluster 2 March 11, 2020 Venue: Catbalogan City		Cluster 3 March 12, 2020 Venue: Leyte Division	
Division	No. of Pax	Division	No. of Pax	Division	No. of Pax
Northern Samar	40	Samar	20	Tacloban City	10
Calbayog City	35	Catbalogan City	20	Leyte	15
		Borongan City	15	Ormoc City	10
		Eastern Samar	20	Biliran	10
				Maasin City	10
				Baybay City	10
				Southern Leyte	10
TOTAL NO. OF PAX	75		75		75



4. This is a live-out activity. The activity shall start at 8:00 AM and shall end at 5:00 PM. All the participants shall be provided for with meals (2 snacks and 1 lunch) which shall be shouldered by the City Savings Bank. Travel and other incidental expenses of the participants in attendance to this activity shall be charged to their respective Local Funds/ MOOE fund, subject to the usual accounting and auditing procedures.

5. The following matrix of activities shall be followed:

TIME	ACTIVITY
8:00 – 8:30 AM	Arrival of Participants, Registration, AM Snacks
8:30 - 9:00 AM	Opening Ceremony National Anthem Doxology Welcome Remarks Presentation of Participants Inspirational Message
9:00 – 9:30 AM	Introduction to Weather Philippines Foundation Ice breaker Activity
9:30 – 10:30 AM	Weather 101: Basic Meteorology and Weather Processes
10:30 – 12:00 NN	Tropical Cyclone 101
12:00 – 1:00 PM	Lunch Break
1:00 – 1:45 PM	Typhoon Tracking Exercise
1:45 – 2:15 PM	Presentation of WPF's Tools and Services
2:15 – 3:30 PM	Workshop Proper (Weather Discussion and Lesson Simulation)
3:30 – 4:30 PM	Presentation of Workshop Output
4:30 – 5:00 PM	Closing Ceremony Awarding of Training Certificate Closing Remarks

6. The Schools Division Superintendents are enjoined to facilitate the submission of the attached confirmation sheet on or before March 8, 2020 to be sent to the Regional Office through email: essdregion8@deped.gov.ph.

7. Immediate dissemination of and strict compliance with this Memorandum are desired.


RAMIR B. UYTICO EdD, CESO IV
 Director IV

Enclosures: Weather and Tropical Cyclone 101

References: ESSD-SPPS-DRRM

To be indicated in the Perpetual Index under the following subjects:

ESSD DRRM WEATHER PARTNERSHIPS



Republic of the Philippines
Department of Education
REGION VIII - EASTERN VISAYAS

CONFIRMATION LETTER

DR. RAMIR B. UYTICO, CESO IV

Director IV
DepEd Region VIII
Candahug, Palo, Leyte

Sir:

May I respectfully submit the List of our Participants to the **Regional Training on Weather 101 and Tropical Cyclone 101** on _____ in _____.

NAME	POSITION	SCHOOL

Very truly yours,

Schools Division Superintendent





PROGRAM OF ACTIVITIES

8:00 AM – 8:30 AM	Arrival of Participants Registration AM Snacks
8:30 AM – 9:00 AM	<u>Opening Ceremony</u> National Anthem Doxology Welcome Remarks Presentation of Participants Inspirational Message
9:00 AM – 9:30 AM	Introduction to WeatherPhilippines Foundation Icebreaker Activity
9:30 AM – 10:30 AM	Weather 101: Basic Meteorology and Weather Processes
10:30 AM – 12:00 NN	Tropical Cyclone 101
12:00 NN – 1:00 PM	Lunch Break
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1:45 PM – 2:15 PM	Presentation on WPF's Tools and Services
2:15 PM – 3:30 PM	Workshop Proper (Weather Discussion and Lesson Simulation)
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4:30 PM – 5:00 PM	<u>Closing Ceremony</u> Awarding of Training Certificates Closing Remarks

IV. Training Output

REGIONAL RUNS

Date	Training Beneficiary	Total Participants
August 20, 2015	NCR	53
July 25, 26 & 28, 2016 August 5, 16 & 18, 2016	Region IV-B	285
November 10-11, 2016 November 23, 2018	Region 8	120 34
November 16-17, 2016	Region 1	126
March 22-23, 2017	Region 5	95
April 5-6, 2017	CAR	78
May 22-23, 2017	Region 11	82
May 25-26, 2017	Region 10	96



weather philippines

A #WeatherWiser Nation

**Creating a #WeatherWiser DepEd:
Educating the Next Generation for a #WeatherWiser Nation**
in partnership with CitySavings Bank and Department of Education

I. Background

In support of the aligned vision of the Department of Education (DepEd) and WeatherPhilippines Foundation (WPF), both organizations forged an agreement in November 2014 with a common goal of promoting and enhancing the safety of Filipino communities for a disaster-resilient Philippines by improving the Filipino student's awareness on weather-related disaster risk reduction and management through a weather education program, specifically the Weather 101/Tropical Cyclone 101 training workshop.

The pilot session was conducted in the office of DepEd-National Capital Region (NCR) last August 20, 2015 with the DRRM focal persons of various division offices across NCR forming the bulk of the participants list. The outcome of this preliminary activity resulted in a clamor to hold the same training for all regional offices of DepEd throughout the country.

Since day one, WPF has sought and secured the support of CitySavings Bank (CitySavings) for the meals provision of the training participants for the entire day of learning. CitySavings, already being at the forefront of DepEd's roster of supporters, willingly provided the needed financial support during all regional runs of the training. In 2017, the collaboration between and among CitySavings, DepEd, and WPF was further fortified when the three organizations inked a partnership agreement that formalizes CitySavings' support to the roll-out of the weather education program in selected division offices nationwide.

To date, all DepEd regional offices, along with a growing number of division offices across the country, have been trained on Weather 101 and Tropical Cyclone 101. This shall continue in the next few years to come as both CitySavings and WPF remain steadfast in their advocacy to push for an inter-generational approach to weather education for a #WeatherWiser nation.

II. Objective

The course aims to provide DepEd and its disaster risk reduction officers the groundwork for developing their own disaster preparedness programs to ensure business and life continuity after a typhoon. Furthermore, this course shall equip educators with basic knowledge on weather and tropical cyclones, which they can integrate into their lesson plans and curriculum.



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Name: _____

Office: _____

Designation: _____

Region/Division: _____

**Weather 101/Tropical Cyclone 101
Survey Questionnaire (Institution – Regional/Division Office)**

(1) Does the training address/respond to any need of the target beneficiaries (i.e., DRRM focal persons, science teachers) identified?

Yes

No

(2) Has the target group benefited from the training? If yes, please proceed to #3. If no, please go straight to #4.

Yes

No

(3) How did the training help the participants perform their respective jobs/roles? Please check all that apply.

Additional knowledge/information

Development/improvement of school DRRM plans

Cascade of learning to fellow teachers/DRRM Team

Integration of learning in the teachers' lesson plan

Others; please specify: _____

(4) What are the factors preventing the participants from applying what they have learned? Please check all that apply.

Need more time/opportunity for similar trainings

Satisfaction with existing DRRM plans/lesson plans

Discrepancy between previous knowledge of teachers, existing teaching materials, and concepts taught by facilitators during the training

Others, please specify: _____



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Name: _____

Office/School: _____

Designation: _____

Subject Taught: _____

**Weather 101/Tropical Cyclone 101
Survey Questionnaire (Participant)**

(1) On a scale of 1 to 5, please rate the relevance of each session to your job, with (1) indicating no relevance and (5) indicating very relevant.

1 = no relevance; 5 = very relevant

	1	2	3	4	5	N/A
Weather 101	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tropical Cyclone 101	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Typhoon Tracking Exercise	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
WeatherPhilippines Foundation Tools & Services	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Workshop on Teaching Weather in the Classroom Setting	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

(2) Was the overall training course/seminar beneficial to your work and role as an educator?

Yes

No

(3) Have you used the training materials since you participated in the seminar? If yes, please proceed to #4. If no, please go straight to #5.

Yes

No

(4) What materials were you able to use? Please check all that apply.

Powerpoint slides

Video presentations

Typhoon tracking exercise

WeatherPhilippines website

WeatherPhilippines mobile app

Others, please specify: _____

WEATHER TRAINING

OBJECTIVE: The course aims to enhance the knowledge of primary and secondary educators on weather and tropical cyclones, which they can pass on to their students through lesson plan integration. Furthermore, this course provides DepEd teachers and its disaster risk reduction officers the groundwork for developing their own disaster preparedness programs to ensure business and life continuity after a severe weather event.

TRAINING OUTLINE

Weather 101 (2-Hour Morning Session)

- I. Meteorology**
 - a. Layers of the Atmosphere
 - b. Composition of the Atmosphere
 - c. Weather and Climate
 - i. Basic Elements of Weather
 - ii. Weather Forecasting
 - iii. Other Weather Disturbances or Rain-Producing Weather Systems in the Philippines
 - d. Thunderstorm
 - e. Local Thunderstorms

Tropical Cyclone 101 (3-Hour Afternoon Session)

- I. Part 1**
 - a. Introduction
 - b. Tropical Cyclone Basics
 - i. What Is A Tropical Cyclone?
 - ii. How Do Tropical Cyclones Form?
 - iii. Death & Dissipation Of Tropical Cyclones
 - iv. Energy Of A Tropical Cyclone
 - v. Movement & Speed of Tropical Cyclones

- c. Tropical Cyclone Classification
 - i. Tropical Depression
 - ii. Typhoon Or Hurricane
 - iii. Super Typhoon
- d. Typhoon Anatomy
 - i. Parts
 - ii. Size
- e. Typhoon Hazards
 - i. Storm Surge
 - ii. Strong/High Winds
 - iii. Extreme Rainfall/Flooding
 - iv. Eyewall Mesovortices
 - v. Mudflows/Landslides
- f. Typhoon Tracking

II. Part 2

- a. Buys Ballot Law (Wind Shifting)
- b. Philippine Tropical Cyclone Frequency
- c. Tropical Cyclone Names
- d. Tropical Cyclone Tracks

Schedule of Activities

	Arrival of Participants
7:30 AM – 8:00 AM	Registration c/o CitySavings AM Snacks c/o Caterer Opening Ceremony
8:00 AM – 8:30 AM	National Anthem – c/o DepEd Doxology – c/o DepEd Welcome Remarks – c/o City Savings Bank (Regional Business Head or Branch Business Head) Presentation of Participants – c/o DepEd Inspirational Message – c/o DepEd
8:30 AM – 10:00 AM	Introduction to WeatherPhilippines Foundation – c/o WPF Presentation of WPF's Disaster Preparedness Tools and Services
9:30 AM – 11:30 AM	Weather 101: Basic Meteorology and Weather Processes
11:30 AM – 12:00 NN	Tropical Cyclone 101 Introduction
12:00 NN – 1:00 PM	Lunch Breakc/o Caterer
1:00 PM – 2:30 PM	Continuation of Tropical Cyclone 101
2:30 PM – 3:30 PM	Typhoon Tracking Exercise – c/o WPF
3:30 PM – 4:30 PM	Affirmation & Assessment of Participants' Learning – c/o WPF
4:30 PM – 5:00 PM	Closing Ceremony – c/o DepEd

CONCEPT NOTE

CitySavings Bank – Department of Education – WeatherPhilippines Foundation

Conduct of Weather 101 / Tropical Cyclone 101

I. RATIONALE

The Philippines is beset every year with strong typhoons that cause massive loss of property and lives. Despite this fact, the death tolls continue to be high, sometimes reaching between 1,000 and 2,000. In fact, Typhoon Yolanda (international code name: Haiyan), the most powerful typhoon ever recorded to hit land, ravaged the Philippines and claimed the lives of more than 10,000 Filipinos.

The high typhoon casualty count every year has necessitated more ways to educate the public on what typhoons and other weather disturbances are, what their effects could be, and how to prepare for them. Considering this, WeatherPhilippines Foundation (WPF) has initiated the development of a course that will cover the basics of weather systems and tropical cyclones.

II. OBJECTIVES

The purpose of the workshop is to help the Department of Education (DepEd) and the entire school community understand the basic concepts, processes, and effects of different weather disturbances and rain-producing weather systems in the country so that they can create their own disaster preparedness programs and reduce the impact of weather-related disasters.

III. TARGET PARTICIPANTS

(1) Grade 4 - 7 Science Teachers

IV. PROPOSED ACTIVITY DESIGN

WPF leads the efforts in building awareness on the science behind weather with the Weather 101 / Tropical Cyclone 101 course. WPF's seasoned meteorologists shall conduct the training, which will cover basic meteorology, tropical cyclones, and typhoon hazards among others. This course aims to provide DepEd and its disaster risk reduction officers the groundwork for developing their own disaster preparedness programs to ensure business and life continuity after a typhoon. Furthermore, this course shall equip educators with basic knowledge on weather and tropical cyclones in order for them to share these learning with their students.

V. TRAINING REQUIREMENTS

ITEM	RESPONSIBLE OFFICE
Training Venue	DepEd
Meals of Participants, Foundation's Personnel, Resource Speakers and CitySavings' Volunteers	City Savings Bank
Sound System + Microphones	DepEd
LCD Projector + Screen	DepEd
Airfare / Transportation of WPF Personnel	WPF (or Sponsor)
Transportation of DepEd Participants	DepEd
Accommodation of WPF Personnel (if needed)	WPF
Accommodation of DepEd Participants (if needed)	DepEd
Resource Speakers / Facilitators	WPF
Training Materials	WPF



REPUBLIKA NG PILIPINAS
REPUBLIC OF THE PHILIPPINES
KAGAWARAN NG EDUKASYON
DEPARTMENT OF EDUCATION
DepED Complex, Meralco Ave., Pasig City



Tanggapan ng Pangalawang Kalihim
Office of the Undersecretary
Legislative Affairs, External Partnerships,
and Project Management Service

EXTERNAL PARTNERSHIPS SERVICE
Private Sector Partnerships Unit
Direct Line : (+632) 636-8637
Fax : (+632) 636-8639

MEMORANDUM

OU-LAPP No. 44, s. 2019

TO : ALL REGIONAL DIRECTORS
ALL REGIONAL PARTNERSHIPS FOCAL PERSONS

FROM : **TONISITO M.C. UMALI, Esq.**
Undersecretary
Legislative Affairs, External Partnerships,
and Project Management Service

SUBJECT : **WEATHER PHILIPPINES FOUNDATION**
INC. NEW WEATHER 101/ TROPICAL CYCLONE 101
TRAINING COURSE

DATE : June 10, 2019

Weather Philippines Foundation Inc. (WPFI) has successfully conducted the training for Weather 101 and Tropical Cyclone 101 in various DepEd Regional and Division Offices across the country since 2015 to date. Said training aims to enhance the weather knowledge of educators for the benefit of their learners through lesson plan integration.

WPFI would like to conduct another training relative to Weather 101/Tropical Cyclone 101 course with updated training objectives. Further, since the meteorology-heavy years in the DepEd curriculum are from Grades 4 to 7, said training shall be given to Grades 4 to 7 Science teachers.

WPFI has provided the training outline and proposed program which are hereto attached for your ready reference.

For any concerns, you may contact Ms. Margarette Lim of Weather Philippines, Inc. at 09175227239 or email at margarette.lim@aboitiz.com

Your support in partnership is highly appreciated.

Thank you very much.