



Republic of the Philippines
Department of Education
REGION X – NORTHERN MINDANAO
SCHOOLS DIVISION OF EL SALVADOR CITY

15 June 2021

DIVISION MEMORANDUM
No. 227, s. 2021

2021 CAPACITY DEVELOPMENT FOR PHIVOLCS' STAKEHOLDERS

To: **CID and SGOD Chiefs**
All Public Elementary and Secondary School Heads
Identified Elementary Science Teachers
Identified Secondary Science Teachers
Identified DRR Coordinators

1. The Department of Science and Technology – Philippine Institute of Volcanology and Seismology (DOST – PHIVOLCS) implements its annual project titled, “Capacity Development for PHIVOLCS’ Stakeholders”. These activities aim to train teachers and school personnel on the science of volcanoes, earthquake, and tsunami, as well as their hazards and mitigation strategies.
2. The participants to the training are the Elementary teachers teaching Science, Secondary Science Teachers, and the School DRR Focal Persons. Attached are the official list of participants for the said training.
3. The training will be fully online using both synchronous and asynchronous modes of learning and shall start from September 1 to September 30, 2021.
4. Additional information on the implementation of this course will be detailed in the attachment.
5. This Office shall adhere to Equal Opportunity Principle (EOP) in the conduct of Capacity Development for PHIVOLCS’ Stakeholders. Hence, all decisions and actions shall be based on guidelines set forth, with no discrimination on the account of age, gender, identity, sexual orientation, civil status, disability, religion, ethnicity or political affiliation.
6. Immediate and wide dissemination of this memorandum is desired.

OLGA C. ALONSABE, PhD., CESE
Asst. Schools Division Superintendent
OIC-Office of the Schools Division Superintendent

Attch: As Stated
To be indicated in the Perpetual Index
under the following subjects
Science





Republic of the Philippines
Department of Education
REGION X – NORTHERN MINDANAO
SCHOOLS DIVISION OF EL SALVADOR CITY

Attachment No.1 to Division Memorandum 227 s. 2021

Training on Communicating Volcano, Earthquake, and Tsunami Impacts for Elementary School Teachers

	NAME	SCHOOL
1	Jun Rey N. Igloria	AMOROS ES
2	Celia O. Taganas	BOLISONG ES
3	Jennifer R. Nob	COGON ES
4	Geraldine Leah A. Bendijo	EL SALVADOR CITY CS
5	Jericho M. Mejila	HIMAYA ES
6	Marilou S. Maña	KALABAYLABAY IS
7	Ma. Leah B. Lincuna	MOLUGAN CS
8	Elsie B. Ubayubay	PSB ES
9	Mae B. Bete - Padjos	SAMBULAWAN ES
10	Cruzita C. Lacang	ULALIMAN ES

Training on Communicating Volcano, Earthquake, and Tsunami Hazards for DepEd High School Teachers

	NAME	SCHOOL
1	Eden J. Laserna	COGON NHS (JHS)
2	Charmaine Joyce A. Aracena	EL SALVADOR CITY NHS
3	Leslie Amor Dadole	HINIGDAAN NHS (JHS)
4	Lynnel C. Boter	HIMAYA NHS
5	Letecia B. Mondina	MOLUGAN NHS (JHS)
6	Joey A. Oco	SAMBULAWAN NHS
7	Grace M. Bermudez	SFDA NHS (JHS)
8	Lovely C. Labis	SINALOC NHS
9	Marecris Y. Tatoy	COGON NHS (SHS)
10	Jessica C. Micabalo	MOLUGAN NHS (SHS)

Training on Communicating PHIVOLCS Information Materials and Tools for DepEd DRR Focal Persons

	NAME	SCHOOL
1	Gumamela T. Oliverio	COGON ES
2	Gretchen M. Rances	HINIGDAAN ES
3	Rosen P. Pacuma	KIBONBON ES
4	Ruth A. Bagas	MOLUGAN CS
5	Jesusa S. Ampo	PSB ES
6	Bonny O. Macarandan	SFDA ES
7	Belchezar A. Macalaguig	SINALOC ES
8	Edwin H. Gefes	TAYTAY ES
9	Lemuel Q. Linan	HIMAYA NHS
10	Jeffrey Martinez	Division Office

CID/ jac






Republic of the Philippines
Department of Education
OFFICE OF THE UNDERSECRETARY

MEMORANDUM

TO : **ALL REGIONAL DIRECTORS**
CONCERNED SCHOOLS DIVISION SUPERINTENDENTS

FROM : 
ATTY. REVSEE A. ESCOBEDO
Undersecretary
Field Operations, Palarong Pambansa Secretariat, and DEACO

SUBJECT : **2021 CAPACITY DEVELOPMENT FOR PHIVOLCS' STAKEHOLDERS**

DATE : February 15, 2021

This has reference to the attached letter of the Department of Science and Technology – Philippine Institute of Volcanology and Seismology (DOST-PHIVOLCS) relative to this year's implementation of its annual project titled, "Capacity Development for PHIVOLCS' Stakeholders."

The project consists of five (5) different types of training for the teaching personnel and program specialists of the Department of Education. These activities aim to train the aforementioned personnel on the science of volcanoes, earthquake, and tsunami, as well as their hazards and mitigation strategies.

Participants to the project will be composed of Elementary, Science High School and Senior High School Teachers, and School DRR Focal Persons from the Schools Divisions of the DepEd as selected by the DOST-PHIVOLCS. In addition, two (2) Science Education Program Specialists (EPS) from each of the 17 Regional Offices will also be included in the training. The list of participating SDOs and the corresponding number of allocated slots are detailed as follows:

Region	Division	Number of ES Teachers Participants	Number of HS Teachers Participants	Number of DRR Focal Persons Participants
Region III	SDO Tarlac	20	20	20
	SDO Tarlac City	10	10	10
Region IV-B	SDO Romblon	30	30	30
Region X	SDO Misamis Oriental	10	10	10
	SDO Cagayan De Oro City	10	10	10
	SDO El Salvador City	10	10	10
	SDO Gingoog City	10	10	10
CAR	SDO Ifugao	30	30	30

ODA/21-0061/02032021

Office of the Undersecretary for Field Operations, Palarong Pambansa Secretariat, and DEACO
Department of Education, Central Office, Meralco Avenue, Pasig City (Room 515, Mabini Building)
Tel. No: (02) 631 84 92 Fax No: (02) 633 53 13
Email: usec.regops@deped.gov.ph

NCR	SDO Pasig City	30	0	30
BARMM	SDO Maguindanao I	15	15	15
	SDO Maguindanao II	15	15	15

The training for the Division Science EPSs is scheduled on June 2021. Meanwhile, the training activities for the teachers and DRR focal persons are scheduled in batches, in which there will be a total of six (6) to eight (8) live sessions to be conducted per batch. Enumerated below are the list of assigned SDOs per batch, target dates, and the concurrent training to be conducted:

Batch	SDOs	Target Date	Concurrent Training Activities
Batch 1	- SDO Tarlac - SDO Tarlac City - SDO Ifugao	April 12 – May 14, 2021 (4 weeks)	- Training for ES Teachers - Training for HS Teachers - Training for DRR Focal Persons
Batch 2	- SDO Romblon - SDO Pasig City	July 5 – 30, 2021 (4 weeks)	- Training for HS Teachers and DRR Focal Persons for both Divisions - Training for ES Teachers for SDO Romblon only
Batch 3	- SDO Misamis Oriental - SDO Cagayan De Oro City - SDO El Salvador City - SDO Gingoog City - SDO Maguindanao I - SDO Maguindanao II	August 30 – September 24, 2021 (4 weeks)	- Training for ES Teachers - Training for HS Teachers - Training for DRR Focal Persons
Batch 4	- SDO Pasig City	October 4 – 15, 2021 (2 weeks)	- Training for SHS Teachers

In line with the aforementioned, the assigned focal persons per concerned Regional and Schools Division Offices are enjoined to submit the list of confirmed participants as well as their accomplished Participant's Profile Forms to the DOST-PHIVOLCS via email at jc.salcedo@phivolcs.dost.gov.ph, fatima.moncada@phivolcs.dost.gov.ph, and lyca.tungcul@phivolcs.dost.gov.ph, copy furnish this Office, on or before February 26, 2021. Copies of the forms are attached for your perusal, and the digital versions of such will be sent by the DOST-PHIVOLCS to the assigned focal persons.

For more information, you may contact the DOST-PHIVOLCS at telephone number: (02) 8927-4524 or at e-mail addresses provided above.

Immediate and wide dissemination of this Memorandum is desired.

ODA/21-0061/02032021

Office of the Undersecretary for Field Operations, Palarong Pambansa Secretariat, and DEACO

Department of Education, Central Office, Meralco Avenue, Pasig City (Room 515, Mabini Building)

Tel. No: (02) 631 84 92 Fax No: (02) 633 53 13

Email: usec.regops@deped.gov.ph



**DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY
(DOST-PHIVOLCS)**

**Training on Communicating Volcano, Earthquake, and Tsunami Impacts
for Elementary School Teachers**

DepEd Divisions of Misamis Oriental, Cagayan de Oro City, Gingoog City, El Salvador City, MBHTE -
Maguindanao I, and MBHTE – Maguindanao II
September 1-30, 2021 via Blended Learning

Program of Activities

Duration	Topic/Activity	Resource Speaker	Participants
Sep 1 9:00AM- 11:00AM	Live Session: Opening Ceremony <ul style="list-style-type: none"> Introduction, Rationale 	Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS	All participants All participants
	<ul style="list-style-type: none"> MESSAGE and Intro to PHIVOLCS 	Dr. Renato U. Solidum Jr. Undersecretary, DOST OIC, PHIVOLCS	
	<ul style="list-style-type: none"> Legal Bases: Convention on the Rights of the Child (CRC) and DRRM Framework 	Dr. Ma. Mylene M. Villegas Chief Science Research Specialist, DOST-PHIVOLCS	
	<ul style="list-style-type: none"> Module 1. Understanding Hazards and Disasters 	Ms. Joan C. Salcedo Supervising Science Research Specialist, DOST-PHIVOLCS	
Week 1 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Guidebook for ES Teachers and DOST-PHIVOLCS information materials and tools Evaluation: Module 1; Advanced Reading: Modules 2 and 3			
Sep 9 9:00- 11:00AM	Live Session <ul style="list-style-type: none"> Module 2. Volcano Eruption (Impacts) 	Dr. Ma. Mylene M. Villegas Chief Science Research Specialist, DOST-PHIVOLCS	ES Teachers
	<ul style="list-style-type: none"> Module 3. Earthquake Hazards (Impacts) 	Ms. Charmaine V. Villamil Senior Science Research Specialist, DOST-PHIVOLCS	
Week 2 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Guidebook for ES Teachers and DOST-PHIVOLCS information materials and tools Evaluation: Modules 2 and 3; Advanced Reading: Modules 4 and 5			
Sep 16 9:00- 11:00AM	Live Session <ul style="list-style-type: none"> Module 4. PHIVOLCS Information Materials and Tools for the Classroom 	Ms. Lucille Rose D. Sanico Science Research Specialist II, DOST-PHIVOLCS	ES Teachers
	<ul style="list-style-type: none"> Module 5. Practical Exercise: Preparing a Lesson Plan 		
	<ul style="list-style-type: none"> Training Evaluation 	Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS	



DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY
(DOST-PHIVOLCS)

Duration	Topic/Activity	Resource Speaker	Participants
Week 3 (remaining days) REQUIREMENTS COMPLETION Resources: Guidebook for ES Teachers and DOST-PHIVOLCS information materials and tools Lesson Plan Submission			



**DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY
(DOST-PHIVOLCS)**

**Training on Communicating Volcano, Earthquake and Tsunami Hazards
for DepEd High School Teachers**

DepEd Divisions of Misamis Oriental, Cagayan de Oro City, Gingoog City, El Salvador City,
MBHTE - Maguindanao I, and MBHTE – Maguindanao II
September 1-30, 2021 via Blended Learning

Program of Activities

Duration	Topic/Activity	Resource Speaker	Participants
Sep 1 9:00AM- 11:00AM	Live Session: Opening Ceremony <ul style="list-style-type: none"> • Introduction, Rationale 	Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS	All participants All participants
	<ul style="list-style-type: none"> • MESSAGE and Intro to PHIVOLCS 	Dr. Renato U. Solidum Jr. Undersecretary, DOST OIC, PHIVOLCS	
	<ul style="list-style-type: none"> • Legal Bases: Convention on the Rights of the Child (CRC) and DRRM Framework 	Dr. Ma. Mylene M. Villegas Chief Science Research Specialist, DOST-PHIVOLCS	
	<ul style="list-style-type: none"> • Module 1. Understanding Hazards and Disasters 	Ms. Joan C. Salcedo Supervising Science Research Specialist, DOST-PHIVOLCS	
Week 1 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Manual for HS Teachers and DOST-PHIVOLCS information materials and tools Evaluation: Module 1; Advanced Reading: Modules 2 and 3			
Sep 8 9:00- 11:00AM	Live Session <ul style="list-style-type: none"> • Module 2. Plate Tectonics Theory: An Overview • Module 3. Volcanoes, Volcanic Hazards, Disaster Prevention and Mitigation Measures 	Dr. Ma. Mylene M. Villegas Chief Science Research Specialist, DOST-PHIVOLCS	HS Teachers
Week 2 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Manual for HS Teachers and DOST-PHIVOLCS information materials and tools Evaluation: Modules 2 and 3; Advanced Reading: Modules 4 and 5			
Sep 15 9:00- 11:00	Live Session <ul style="list-style-type: none"> • Module 4. Earthquakes, Active Faults, and other Earthquake Sources • Module 5. Part 1: Earthquake Hazards 	Mr. Jeffrey S. Perez Supervising Science Research Specialist, DOST-PHIVOLCS	HS Teachers



DEPARTMENT OF SCIENCE AND TECHNOLOGY
 PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY
 (DOST-PHIVOLCS)

Duration	Topic/Activity	Resource Speaker	Participants
Week 3 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Manual for HS Teachers and DOST-PHIVOLCS information materials and tools Evaluation: Modules 4 and 5; Advanced Reading: Module 6			
Sep 22 9:00- 11:00AM	Live Session <ul style="list-style-type: none"> • Module 5. Part 2: Disaster Prevention and Mitigation Strategies for Earthquakes (HazardHunterPH and How Safe is My House?) • Module 6. Tsunami and its Disaster Prevention and Mitigation Measures • Action Planning and Training Evaluation 	Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS Ms. Joan C. Salcedo Supervising Science Research Specialist, DOST-PHIVOLCS Ms. Lyca Marie A. Tungcul Science Research Analyst, DOST-PHIVOLCS	HS Teachers
Week 4 (remaining days) REQUIREMENTS COMPLETION Resources: Manual for HS Teachers and DOST-PHIVOLCS information materials and tools Module 6 Evaluation and Action Plan			



**DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY
(DOST-PHIVOLCS)**

**Training on Communicating PHIVOLCS Information Materials and Tools
for DepEd DRR Focal Persons**

DepEd Divisions of Misamis Oriental, Cagayan de Oro City, Gingoog City, El Salvador City,
MBHTE - Maguindanao I, and MBHTE – Maguindanao II
September 1-30, 2021 via Blended Learning

Program of Activities

Duration	Topic/Activity	Resource Speaker	Participants
Sep 1 9:00AM- 11:00AM	Live Session: Opening Ceremony <ul style="list-style-type: none"> • Introduction, Rationale 	Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS	All participants All participants
	<ul style="list-style-type: none"> • MESSAGE and Intro to PHIVOLCS 	Dr. Renato U. Solidum Jr. Undersecretary, DOST OIC, PHIVOLCS	
	<ul style="list-style-type: none"> • Legal Bases: Convention on the Rights of the Child (CRC) and DRRM Framework 	Dr. Ma. Mylene M. Villegas Chief Science Research Specialist, DOST-PHIVOLCS	
	<ul style="list-style-type: none"> • Module 1. Understanding Hazards and Disasters 	Ms. Joan C. Salcedo Supervising Science Research Specialist, DOST-PHIVOLCS	
Week 1 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Guidebook for DRR Focal Persons and DOST-PHIVOLCS information materials and tools Advanced Reading: Module 1			
Sep 9 1:30- 3:30PM	Live Session <ul style="list-style-type: none"> • Understanding Volcano Alert Levels • What to do Before, During, and After a Volcanic Eruption 	Ms. Lucille Rose D. Sanico Science Research Specialist II, DOST-PHIVOLCS	DRR Focal Persons
Week 2 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Guidebook for DRR Focal Persons and DOST-PHIVOLCS information materials and tools Evaluation: Module 1; Advanced Reading: Module 2			
Sep 16 1:30- 3:30PM	Live Session <ul style="list-style-type: none"> • Understanding the PHIVOLCS Earthquake Intensity Scale • What to Do Before, During, and After an Earthquake 	Ms. Joan C. Salcedo Supervising Science Research Specialist, DOST-PHIVOLCS Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS	DRR Focal Persons

