



Republic of the Philippines
Department of Education
REGION X – NORTHERN MINDANAO
SCHOOLS DIVISION OF MISAMIS ORIENTAL

Office of the Schools Division
Superintendent

January 27, 2023

DIVISION MEMORANDUM
No. 080 s. 2023

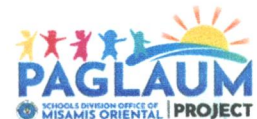
VIRTUAL TRAINING OF TRAINERS IN SCIENCE

**To: Public Schools District Supervisors
School Heads
Teachers**

1. In consonance to Division Memo No. 065, s. 2023 re: CONDUCT OF THE VIRTUAL TRAINING OF TRAINERS, this office will conduct Online Division Training of Trainers in Science dubbed as “*UPSKILLING SCIENCE TEACHERS: FUTURES OF STEM*” via Google Meet on February 1-3, 2023, at 8:00 to 12:00 A.M. The link will be provided to the participants.
2. The participants to this division training of trainers are the science teachers/school heads in Elementary, Junior High School and Senior High School -STEM.
3. This online training aims to:
 - a. apply blended learning to unexpected learning situation.
 - b. design and plan lesson using 7Es framework.
 - c. ensure availability of learning resources to supplement learning process.
 - d. utilize technology enhanced assessment for global education alignment.
 - e. design higher order thinking skills assessment (PISA-like).
 - f. adopt integrative summative assessment to compress learning assessment.



Address: Del Pilar-Velez Sts., Brgy. 29, Cagayan de Oro City 900
Telephone Nos.: (088) 881-3094 | Text: 0917-8992245 (Globe)
Website: www.deped.misor.com
Email: misamis.oriental@deped.gov.ph



4. For any related concerns, you may call or text to Lilian B. Salan, with mobile number 0977-1549479, or send message to our FB group chat (MisOr Science Villa).
5. Immediate dissemination of this Memorandum to all concerned is desired.

JONATHAN S. DELA PEÑA, PhD, CESO V
Schools Division Superintendent

cc: CID/lbs



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SCHOOLS DIVISION OF MISAMIS ORIENTAL

TRAINING & DEVELOPMENT MATRIX

A. Training Information

Title of Training or Program	DIVISION TRAINING OF TRAINERS “UPSKILLING SCIENCE TEACHERS: FUTURES OF STEM
Description	<i>This 3-day Virtual Division Training of Trainers titled “Upskilling Science Teachers: Future of STEM” aims to develop science teachers to the latest trend of teaching science using computer-based platform and updates on technology.</i>
Proposed Training Date/s	<i>February 1-3, 2023</i>
No. of Training Hours	<i>24 hours</i>
Target Participants	<i>34 for Elementary, 35 for Junior High School & 26 Senior High School Teachers</i>

B. Matrix

Day 1- February 1, 2023

Time	Activity/Topic	Person-In-Charge
8:00 – 8:30 A.M	Registration	Secretariat
8:30 – 9:30 A.M.	Preliminaries: National Anthem Opening Prayer Rollcall of Participants Welcome Message Statement of Purpose Training Norms and Session Topics Message of the Head of Office	AVP AVP Andrian F. Tecson, <i>Program Host</i> Dr. Cydel P. Valmores, <i>CID Chief</i> Dr. Lilian B. Salan, <i>EPS I – Science</i> Andrian F. Tecson, <i>Program Host</i> Dr. Jonathan S. Dela Peña, <i>SDS</i>
9:30 – 10:30 A.M	Training Proper: TOPIC 1 Blended learning approach	Maria Socorro G. Gala
10:30 - 11:30 A.M.	TOPIC 2 7Es approach in lesson planning	Diosyjeanne D. Simyunn
11:30 – 12:00 P.M.	Open Forum	Resource Speakers
12:00 – 1:00 P.M.	HEALTH/LUNCH BREAK	
1:00 – 5:00 P.M.	Workshop (Offline)	Training Facilitators

Day 2- February 2, 2023

8:00 – 8:30 A.M.	Management of Learning (MOL) <ul style="list-style-type: none"> • Prayer • Rollcall of Participants • Recap • Motivation/Game 	Assigned District
8:30 - 9:30 A.M.	TOPIC 3 Learning resources	Linden L. Evangelista Annalyn C. Esmediana
9:30 -10:30 A.M.	TOPIC 4 Technology enhanced assessment	Brian R. Castro

10:30 – 11:30	TOPIC 5 Designing Assessment for Learning (PISA-like)	Maria Leni P. Sabulbero
11:30 – 12:00 P.M.	Open Forum	Resource Speakers
12:00 – 1:00 P.M.	HEALTH/LUNCH BREAK	
1:00 – 5:00 P.M.	Workshop (Offline)	Training Facilitators

Day 3- February 3, 2023

Time	Activity/Topic	Person-In-Charge
8:00 – 8:30 A.M.	Management of Learning: Prayer Rollcall of Participants Recap Motivation/Game	Assigned District
8:30 – 9:30	TOPIC 6 Integrative Summary Assessment	Amy C. Malagum
9:30 – 11:30	Teaching Demonstration using 7Es framework	Demo Teachers
11:30 – 12:00 P.M.	Open Forum	Resource Speakers
	HEALTH/LUNCH BREAK	
1;00 – 2:00 P.M.	Walkthrough of National Science and Technology Fair 2022	Lilian B. Salan, <i>EPS I</i> Andrian F. Tecson, <i>HT III</i>
2:00 – 4:30 P.M.	Presentation of Outputs	Training Facilitators
4:30 – 5:00 P.M.	End of Day 3 Closing Program	Program Host

C. Program Management Team

Function	Name	Designation
Program Consultant	CYDEL P. VALMORES	<i>Chief Supervisor, CID</i>
Program Management Team Leader	LILIAN B. SALAN	<i>Education Program Supervisor</i>
Program Management Asst Leader	BEATRIZ E. ACDAL	<i>PSDS</i>
QAME Associate	DANNY A. ASIO	<i>SEPS</i>
Committee on ICT	Chairman: Ronil P. Tagactac Co-Chair: Lucille S. Dagcuta	<i>Teacher II (ICT)</i>
Committee on Program & Certificates:	Chairman: Melanie B. Sarbida Co-Chair: Maria Zalina P. Aboc Members: Jeziel A Lopez Iryne M Calixtro	<i>Teacher II</i>
Secretariat:	Chairman: Ritchie J. Sabejon Co-Chair: Bernadette P. Pinque	<i>Teacher II (ICT)</i>

Prepared By:


LILIAN B. SALAN
Education Program Supervisor

Reviewed By:


IRISH KARYLLE D. MONTE, PhD
SEPS- HRD

Noted By:


CYDEL P. VALMORES, PhD
Chief Supervisor, CID

Approved

JONATHAN S. DELA PEÑA, PhD, CESO V
Schools Division Superintendent



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SCHOOLS DIVISION OF MISAMIS ORIENTAL

TRAINING DESIGN

A. Training Information

Title of Training or Program	DIVISION TRAINING OF TRAINERS “UPSKILLING SCIENCE TEACHERS: FUTURES OF STEM
Description	<i>This 3-day Virtual Division Training of Trainers titled “Upskilling Science Teachers: Future of STEM” aims to develop science teachers to the latest trend of teaching science using computer-based platform and updates on technology.</i>
Pre-Requisite (optional)	Online Registration of Participants
Proposed Training Date/s	February 1-3, 2023
No. of Training Hours	24 hours
Type of Learning & Development for Participants	<input type="checkbox"/> Managerial <input type="checkbox"/> Supervisory <input type="checkbox"/> Technical <input checked="" type="checkbox"/> Competency-Based <input type="checkbox"/> Behavioral <input type="checkbox"/> Function-Based
Management Level for Program Holders	<i>Division Level</i>
School/Office/Division/Section/Unit	<i>Division of Misamis Oriental</i>
Delivery Mode	<i>You may choose more than one (1):</i> <input type="checkbox"/> Orientation <input type="checkbox"/> Classroom Training <input checked="" type="checkbox"/> Seminar-Workshop <input type="checkbox"/> Self-Paced-Modular <input type="checkbox"/> Self-Paced-Multimedia <input type="checkbox"/> Others: _____
Target Group	<i>Additional:</i> <input checked="" type="checkbox"/> Virtual <input type="checkbox"/> Face to Face <input type="checkbox"/> Others: _____ <input checked="" type="checkbox"/> Teaching <input type="checkbox"/> Teaching-Related <input type="checkbox"/> Non-Teaching
Number of Participants	No. of Participants: 34 - Elementary Science Teachers 35 - Junior High School Teachers 26 – Senior High School STEM Teachers No. of Speakers: 6 – Resource Speakers No. of Training Staff: 1 Program Host/Facilitator 5 Committee on Certificates and Program 4 Committee on ICT 2 Committee on Secretariat
Cost/Budget	<i>Php 0.00</i>

Rationale	<p><i>Based on DepEd Order 30, 2021, the Department of Education ensures that teacher quality is indispensable in the delivery of quality, accessible, relevant and liberating education. Pursuant to its goal of providing every Filipino with access to quality basic education, the DepEd is mandated to undertake programs, activities, and projects aimed towards continuing professional development of its personnel especially at the schools and learning centers.</i></p>
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B. Training Goals

Training Objectives	<p>List down at least 3 objectives:</p> <ol style="list-style-type: none"> 1. <i>To apply blended learning to unexpected learning situation.</i> 2. <i>To design and plan lesson using 7Es framework.</i> 3. <i>To ensure availability of learning resources to supplement learning process.</i> 4. <i>To utilize technology enhanced assessment for global education alignment.</i> 5. <i>To design higher order thinking skills assessment (PISA-like).</i> 6. <i>To adopt integrative summative assessment to compress learning assessment.</i>
Program Outputs	<p>Outputs Required:</p> <ol style="list-style-type: none"> 1. <i>Contextualized lesson plan in inquiry-based approach using 7Es framework.</i> 2. <i>Structured computer-based and written PISA-like assessment in every grading period and grade level.</i>
	<p>Indicate training outcomes expected of participants (e.g. Increased productivity, performance efficiency etc.)</p> <ol style="list-style-type: none"> 1. <i>Conduct blended learning to unexpected learning situation.</i> 2. <i>Write lesson plan using 7Es framework.</i> 3. <i>Utilize of learning resources to supplement learning process.</i> 4. <i>Integrate technology enhanced assessment for global education alignment.</i> 5. <i>Provide higher order thinking skills assessment (PISA-like).</i> 6. <i>Practice integrative summative assessment to compress learning assessment.</i>
Program Content Focus	<p>Write down content focus of the training such as focus topic, DepEd programs and/or competencies.</p> <ol style="list-style-type: none"> 1. <i>Blended learning approach</i> 2. <i>7Es approach in lesson planning.</i> 3. <i>Learning resources</i> 4. <i>Technology enhanced assessment.</i> 5. <i>PISA-like assessment</i> 6. <i>Integrative Summary Assessment</i>

C. Budget and Material Requirements

Please indicate N/A if item is not applicable or required for the training

	Particulars	Total
Full Board	Amount x Number of Pax x No. of Days	Php 0.00
Registration/Course Fee (for Learning Service Providers or Non-Degree Short Course)		Php N/A

GRAND TOTAL: **Php 0.00**

Source of Fund: (e.g Division MOOE, HRTD Fund, Sub-ARO No. or LAA No.)

Prepared By:


LILIAN B. SALAN
 Education Program Supervisor

Reviewed By:


IRISH KARYLLE D. MONTE, PhD
 SEPS- HRD

Certified Appropriation Available:

MARK LORREN T. TEJANO
 AO-V - Budget Officer

Certified Funds Available:

ELMAR G. ANOC, CPA
 Accountant III

Recommending Approval


ERLINDA G. DAEL, PhD, CESE
 Asst. Schools Division Superintendent

Approved:

JONATHAN S. DELA PEÑA, PhD, CESO V
 Schools Division Superintendent



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Enclosure (*Midyear_DTOT_Science2023*)

LIST OF PARTICIPANTS - ELEMENTARY

DISTRICT	ELEMENTARY	POSITION	SCHOOL
ALUBIJID EAST	NELIA E. GRAFE	P-I	Calatcat ES
ALUBIJID WEST	JOELYN J. SABELLITA	T-I	Sampatulog IS
BALINGASAG CENTRAL	JENEPHER B. SALAAN	T-III	Cala-Cala ES
BALINGASAG NORTH	BRENDA S. PAMISA	MT-I	Mambayaan IS
BALINGASAG SOUTH	JENNIFER O. ONGPOY	T-III	Baliwagan CS
BALINGOAN	EDNA E. BALAT	MT-I	Balingoan CS
CLAVERIA CENTRAL	GRETCHEN NOVA P. MANOOP	MT-I	Sta Cruz ES
CLAVERIA NORTHEAST	ANDRIAN F. TECSON	HT-III	Tipolohon ES
CLAVERIA WEST	ANGELITA A. GANZAN	T-II	Cabacungan ES
GITAGUM	NELSIE I. LORONO	MT-I	Gitagum CS
INITAO NORTH	AMOR M. SANDOVAL	MT-1	Kalacapan ES
INITAO SOUTH	EDEM SHELLAH T. GALAGNARA	T-III	Initao Central School
JASAAN NORTH	TITUS R. CRUZ	HT III	San Antonio ES
JASAAN SOUTH	VIRGINIA C. NADAYAG	T- I	Solana ES
KINOGUITAN	FRANCISCA G. ADLAON	P-I	Kinoguitan CS
LAGONGLONG	ARISTOTLE I. CASER	T- I	Kabulawan ES
LAGUINDINGAN	HEIDI G. GALLEROS	T- I	Sambulawan ES
LIBERTAD	PRESERDINA D. BABA		Tangkub ES
LUGAIT	CECIL FILAMAE C. NAVAREZ	T-III	Kalangahan ES
MAGSAYSAY 1	JEMIMARICI A. RATILLA	T-III	Magsaysay CS
MAGSAYSAY 2	ROQUISA S. PIAD	T -III	Kibungsod CS
MANTICAO	SHIELA MAE D. BAHIAN	T-II	Tuod IS
MEDINA NORTH	MELORIE G BASLOTE	T-III	Bulwa ES
MEDINA SOUTH	ALICE T. ODCHIGUE	MT-I	Gov. Pelaez ES
NAAWAN	LYDIA M. JABAGAT	T-III	Naawan CS
OPOL EAST	MARY JANE Y. SAPLOT	T- I	Igpit ES
OPOL WEST	CARLO J. MADERA	T-I	Opol Central School
SALAY	AMIE LOVELLA P. CAPISTRANO	T-III	Looc ES
SUGBONGOGON	QUEENY T. PELIGRINO	T-I	Nabataan ES
TAGOLOAN EAST	LOLITA A. TORRECO	T-I	Mohon ES
TAGOLOAN WEST	MARY ROCHA E. GOLOSINO	T-III	Casinglot ES
TALISAYAN	PHANCRASIA C. CABOTAJE	T-II	Talisayan CS
VILLANUEVA NORTH	JOANNE MARY M. PUTIS	T-I	Vicente N. Chaves Memorial CS
VILLANUEVA SOUTH	KENNY VALLE P. BACARRO	MT-I	Balacanas ES

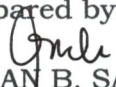
LIST OF PARTICIPANTS – JUNIOR HIGH SCHOOL

DISTRICT	NAME	POSITION	SCHOOL
ALUBIJID EAST	MERLIE F. BALINGIT	MT-I	ALUBIJID NCHS
ALUBIJID WEST	MELANIE M. FABREA	T-III/SIC	SAMPATULOG IS
BALINGASAG CENTRAL	NOVA M. RECAMADAS	T-II	ROSARIO NHS
BALINGASAG NORTH	JACEL MAE L. EDERANGO	T-I	MISAMIS ORIENTAL NHS
BALINGASAG SOUTH	ROSALITA P. ESTANO	T-III	LINABU IS
BALINGOAN	SHEILA MARIE PANULAYA	T-I	MANTANGALE NHS
CLAVERIA CENTRAL			
CLAVERIA NORTHEAST	JERSON A. SININING	T-I	APOSKAHOY NHS
CLAVERIA WEST	MA. JELEN C. ROBLEDO	T-I	HINAPLANAN NHS
GITAGUM	BRENDA M. LLAMIS	MT-I	MATANGAD NHS
INITAO NORTH	JOAN J. ANINION	T-I	KALACAPAN NHS
INITAO SOUTH	TERESITA R. SUAREZ	T-I	GIMANGPANG IS
JASAAN NORTH	ELMA E. HUISO	T-II	BOBONTUGAN NHS
JASAAN SOUTH	JEROMY S. CAMANIAN	T-I	LUZ BANZON IS
KINOGUITAN	RYAN ANTHONY C. CAÑADA	T-I	ESPERANZA NHS
LAGONGLONG	ROCIL D. SABURNIDO	MT-I	DAMPIL NHS
LAGUINDINGAN	NELFA JOY G. GAID	T-I	LAGUINDINGAN NHS
LIBERTAD	MARY ANN M. ARANGCON	T-III	LIBERTAD NHS
LUGAIT	JHULIE ANTHONY V. LABRADO	T-I	LUGAIT NHS
MAGSAYSAY 1	CIELO MAR THERESE R. ARAÑA	MT-I	KIBUNGSOD NHS
MAGSAYSAY 2	ALMANINA A. ABUDA	T II	CONSUELO NHS
MANTICAO	HONEY SHALINE NALE	T-III	MANTICAO NHS
MEDINA NORTH	JENNIFER D. LAZONA	T-I	MEDINA NCHS
MEDINA SOUTH	BILLY JAMES C. IGCALINOS	T-I	DON GREGORIO PELAEZ NHS
NAAWAN	CHRISTIAN PHILIP G. ESCABAL	T-III	NAAWAN NHS
OPOL EAST	REY CONRAD J. GALARRITA JR.	T-I	ONSTS
OPOL WEST	CARLA MAGLANGIT	T-I	TINGALAN IS
SALAY	ROBELYN B. MAGBARIL	T-I	TINAGAAN IS
SUGBONGCOGON	MAY BALABAT	T-I	SUGBONGCOGON NHS
TAGOLOAN EAST	ESTELA B. BONITA	T-III	TAGOLOAN NHS
TAGOLOAN WEST	SARAH G. DE LA CRUZ	T-III	STA. ANA NHS
TALISAYAN	ANNA T. BALABA	T-III	TALISAYAN NHS
VILLANUEVA NORTH	HONEY BELLE D. GALERA	MT-I	VILLANUEVA NHS
VILLANUEVA SOUTH	KRISHNA C. BACONGUIS	T-II	VILLANUEVA SHS
MOGCHS	IAN KIM J. LORENZANA	T-III	MOGCHS


LIST OF PARTICIPANTS – SENIOR HIGH SCHOOL-STEM

DISTRICT	NAMES	POSITION	SCHOOL
ALUBIJID EAST	DIOSYJEANNE D. SIMYUNN	T-II	ALUBIJID NCHS
ALUBIJID WEST			
BALINGASAG CENTRAL	EDNA P. FERRER	T-III	ROSARIO NHS
BALINGASAG NORTH	KIMBERLY E. GABUTAN	T-I	LANTAD IS
BALINGASAG SOUTH	ARIS A. RUSIANA	MT-II	BALIWAGAN NHS-SHS
BALINGOAN			
CLAVERIA CENTRAL	MILONA J. GALAITES	T-III	DR GERARDO SABAL MNHS
CLAVERIA NORTHEAST	DINA MARIE J. TABILLA	T-II	MALAGANA NHS
CLAVERIA WEST	SHAIRA MAE S. DE LA ROSA	T-II	HINAPLANAN NHS
GITAGUM	REY JHONSON RATUNIL	T-I	MATANGAD NHS
INITAO NORTH	RUBLYN P. FABRE	MT II	INITAO NCHS
INITAO SOUTH			
JASAAN NORTH	SHIELA MAE P. ZAYAS	T-II	DANA O NHS
JASAAN SOUTH	JESSIE CRIS N. ABROGUEÑA	T-III	JASAAN SHS
KINOGITAN	RYAN ANTHONY CANADA	T-I	
LAGONGLONG	TITUSMITH D. QUILNAT	T-II	LAGONGLONG SHS
LAGUINDINGAN	ARBE JOE M. GALARPE	T-II	LAGUINDINGAN NHS-SHS
LIBERTAD	MIGA RAY G. MINDARO	SST-I	LIBERTAD NHS
LUGAIT	BLAIRE ROMNIL RIVERAL	T-II	LUGAIT SHS
MAGSAYSAY 1	KISSY MAY A. BENIGNO	T-II	KIBUNGSOD NHS
MAGSAYSAY 2			
MANTICAO	NOREN B. DAYTA	MT-II	CABALANTIAN SH
MEDINA NORTH	JEDIDIAH J. QUIDET	SPST-1	MEDINA NCHS
MEDINA SOUTH			
NAAWAN	RINGO R. DADOLE	MT-II	MAPUTI SHS
OPOL EAST	JANETH N. CANTORNE	MT-I	OPOL NSTS SHS
OPOL WEST	CHARIZZE JEAN J. ACEVEDO	T-III	BAGOCBOC NHS
SALAY	JACKIE-LOU C. ANDALOC	T-III	SALAY NHS
SUGBONGOCGON	SARA MAE D. UBA	T-I	BINUANGAN NHS
TAGOLOAN EAST			
TAGOLOAN WEST	MARIE CRIS D. GAPUZ	T-III	TAGOLOAN SHS
TALISAYAN			
VILLANUEVA NORTH	MARIFE ABRIOL		KALINGAGAN NHS
VILLANUEVA SOUTH	MARIBELLE G. ACAC	T-III	TAMBOBONG-BALACANAS NHS
MOGCHS	GISELLE GINA MARIE S. ESQUINAS	T-II	MOGCHS

Prepared by:


LILIAN B. SALAN
EPS I

Reviewed by:


CYDEL P. VALMORES, PhD
Chief - CID