



Republic of the Philippines
Department of Education
REGION VII – CENTRAL VISAYAS
Schools Division OF NEGROS ORIENTAL

**Office of the Schools Division
Superintendent**

DIVISION MEMORANDUM

CID-2023- 415

To : **ARNOLD R. JUNGCO – DIVISION SCIENCE COORDINATOR – SDO**
ELISA L. BAGUIO- EDUCATION PROGRAM SUPERVISOR – SDO
RODITA T. PLAZA- PSDS, STA. CATALINA DISTRICT 3
RHODALINE G. DIZON- PSDS, SIATON DISTRICT 3
ANDREA LUZ S. ENGLIS- PSDS, SIBULAN DISTRICT 2
ROLANDO A. PACARRO- PSDS, VALENCIA DISTRICT
ANTONIETA C. OLORES- PSDS, BINDOY DISTRICT 1
HENRIQUITO C. TEPACIA- PSDS, MANJUYOD DISTRICT 2

From : **NERI C. OJASTRO EdD, CESE**
Schools Division Superintendent

Subject: **DISSEMINATION OF REGIONAL MEMORANDUM NO. 746, S.2023 TITLED**
“DOST SEI TRAINING ON INSTRUMENTATION AND IMPROVISATION IN
SCIENCE AND MATHEMATICS TEACHING AND LEARNING”

Date : **OCTOBER 12, 2023**

1. The Schools Division of Negros Oriental, Curriculum Implementation Division (CID) disseminates Regional Memorandum Number 746, s. 2023 titled: “DOST SEI Training on the Instrumentation and Improvisation in Science and Mathematics Teaching and Learning”, for information and guidance of all concerned.
2. Public Schools District Supervisors concerned are advised to relay information to the participants listed in the attachment.
3. This serves as an Authority to Travel.
4. Copy of the said memorandum is hereby attached for reference.
5. For guidance and compliance.

NCO/-JMA-MKP/NTR/elb
Oct 12, 2023

10 OCT 2023



Address: Kagawasan Avenue, Capitol Area, Daro, Dumaguete City
Telephone Nos.: (035) 225-2838 / 225-2376 / 422-7644



DepEd TAYO SDO Negros Oriental



negros.oriental@deped.gov.ph



www.depednegor.net



Republic of the Philippines
Department of Education
REGION VII - CENTRAL VISAYAS

Office of the Regional Director

09 OCT 2023

REGIONAL MEMORANDUM

No. **746** s. 2023

**DOST SEI TRAINING ON INSTRUMENTATION AND IMPROVISATION IN
SCIENCE AND MATHEMATICS TEACHING AND LEARNING**

To: Schools Division Superintendents
Assistant Schools Division Superintendents
All Others Concerned

1. Attached is the communication from Dr. Josette Biyo, Director of DOST SEI, pertaining to the conduct of the regional training for the project Science Teacher Academy for the Regions (STAR) on November 6-10, 2023 (inclusive of travel time) in Cebu City. The exact venue will be announced later.
2. Project STAR has been a training avenue of DepEd Region 7 in upskilling and retooling teachers and school heads and has recognized DOST SEI as partner in improving the quality of teaching Science and Math.
3. This year's training is dubbed "**Instrumentation and Improvisation in Science and Mathematics Teaching and Learning,**" which aims to rationalize importance of instrumentation and improvisation in developing mastery of essential learning competencies in science and mathematics. It also aims to design improvised teaching and learning materials/resources using the design thinking process for the use in the actual classroom teaching and learning.
4. Participants for this training are the Education Program Supervisors/Coordinators in Science and Math; School Heads whose specialization is in Science and Math; and/or School Heads managing Special Science Schools/Programs in the 20 SDOs. Refer to the attached list for the complete enumeration of the participants.
5. Meals, training venue and kits will be shouldered by DOST SEI while travel and lodging expenses shall be shouldered by the participants using School/Division MOOE or other funds available, subject to the usual government accounting and auditing rules and regulations.
6. Each SDO through the Education Program Supervisors are requested to bring the best samples of Improvised Learning Materials, (1) in Science and (1) in Math. This will be utilized during the workshop and shall be exhibited during the training program. For reference of the examples of Improvised Materials, kindly refer to this link: <https://tinyurl.com/vc3xcefc>.



Doña M. Gaisano St., Sudlon, Lahug, Cebu City
Telephone Number: 639457623193 local 700

DepEd Tayo Region VII

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7. Participants are also advised to bring laptops for the breakout session and working of the expected output.


8. Immediate dissemination of and compliance with this Memorandum are directed.


SALUSTIANO T. JIMENEZ JD, EdD, CESO V
Director IV
Regional Director

STJ/PYA/CLMD/MJD/bca



Doña M. Gaisano St., Sudlon, Lahug, Cebu City
Telephone Number: 639457623193 local 700

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SCIENCE PARTICIPANTS

SDO	NAME	POSITION	School/Office
RO7	1. Bryant C. Acar	EPS Science	RO7 CLMD
Bais City	1. Salvacion A. Adana	EPS	Bais City Division
	2. Groselie B. Ragay	Asst. Principal II	Bais City National Science High School
Bayawan City	1. Adonis S. Rivera	EPS	Bayawan City Division
Bohol	1. LILIBETH L. LAROGA	SCHOOL PRINCIPAL III	CANGAWA NATIONAL HS
	2. ROSALINDA G. BUTCON	SCHOOL PRINCIPAL	UBAY NATIONAL SCIENCE HS
	3. ALEX C. BESAGAS	SCHOOL PRINCIPAL	LONoy HEROES MEMORIAL HIGH SCHOOL
	4. MARTIN C. RAMIS	SCHOOL PRINCIPAL I	SIERRA BULLONES TECHNICAL VOCATIONAL HIGH SCHOOL
Canlaon City	1. Lester C. Pabalinas	EPS	SDO Canlaon City
	2. Rachel Ann I. Espraguerra	School Head	Kalubihan ES
Carcar City	1. Araceli Juario	Principal I	Hunob National High School
	2. Xela Efrena Sator	Head Teacher	Lunas Elementary School
Cebu City	1. Raylene S. Manawatao	EPS	
	2. Sharlyn T. Jacalan	MT 1	Guadalupe ES
	3. Jessamine Morados	T III	Lahus ES
	4. Dahlia S. Damaolao	T III	VCMNHS
	5. Geraldine I. Bontuyan	T III	Talamban NHS
Cebu Province	1. JUVIMAR E. MONTOLO	EPS	Cebu Province Division
	2. ALADIN CABANIG	Principal II	Tugbongan ES, Consolacion District 1
	3. CHRISTIAN RHEE A. BONGO	School Head	Libaong IS, San Remigio 2

	4. AMOR G. BANARES	Principal II	San Remigio NHS, San Remigio 1
	5. TERESITA FERNANDEZ	TIC	Bantayan Science High School, Bantayan 1
City of Bogó	1. Myrna E. Momongan	Principal III	Banban Elementary School
	2. Christopher A. Unabia	Principal I	Cayang National High School
City of Naga	1. Carmencita B. Lopez	EPS	DepEd City of Naga Division Office
	2. Mylin B. Tapdasan	TIC	Uling National High School
Danao City	1. Marlyn V. Canales	EPS	DepEd Danao City Division
	2. Jose Buot	School Head	Sabang ES
Dumaguete City	1. ANTONIETA P. VENDIOLA	EPS	Deped, Dumaguete City, Division Office
	2. Daphne Nodado	Assistant Principal	Dumaguete City National HS
Guihulngan City	1. JOSE F. BELONO, JR.	EPS	SDO Guihulngan City
	2. Christian Edu B. Villegas	Principal II	Guihulngan NHS
Lapu-Lapu City	1. JENNIFER S. MIRASOL	EPS	SDO Lapu-Lapu City
	2. ANA MARIE S. CABALLA	HT III/ SCH. HEAD	LLC
Mandaue City Division	1. Rufino T. Tudlasan Jr.	EPS	SDO Mandaue City
	2. Leslie Joy R. Pana	Principal I	Mandaue City Science HS
	3. Emily A. Binggas	Principal I	Paknaan National HS
Negros Oriental	1. Arnold R. Jungco	EPS	SDO Negros Oriental
	2. Evangeline T. Sinto	P 1	Sta. Catalina Science E/S
	3. Mary Jane P. Palarpalar	P 1	Siaton Science HS
	4. Florencia Campoy	P 1	Sibulan Science HS

Siquijor	1. Luz T. Omoc-oc	P1	TambisanNHS
	2. Liza T. Rubio	P1	San AntonioNHS
Tagbilaran City	1. Cherry Michelle F. Collyer	EPS	Tagbilaran City Division
	2. Pilar Diez	Head Teacher	Tagbilaran City Science HS
Talisay City	1. Ma. Angelica M. Lauronilla	PSDS	Talisay City Central ES
	2. Francisco C. Cabug-os	Principal 1	Lawaan 3 Elementary School
Tanjay City	1. Lyndon M. Ramirez	SSP-I, Division SHS Coordinator	Tanjay City Division
	2. Elly Mar R. Canolas	SSP I	Tanjay City Science High School
Toledo City	1. Geraldo D. Laña	EPS	
	2. Christy B. Alfeche	Principal-1	Bunga NHS

MATH PARTICIPANTS

SDO	NAME	POSITION	School
R07	1. Cesar A. Restauero Jr.	EPS Math	RO7 CLMD
Bais City	2. Oliver C. Catacutan	EPS	Division Office
	3. Desiree L. Gablines	HT-I	Biso ES
Bayawan City	1. Emma G. Apdian	EPS	Division Office
	2. Jedelyn D. Nuique	Principal-1	TGMES
Bohol	1. Felix C. Galacio, Jr.	EPS	Division Office
	2. Ramil A. Escaso	HT-III	San Jose NHS Inabanga
	3. Harry A. Verula	Principal-1	Angilan ES
	4. Marlon S. Jala	Principal 1	Dagohoy NHS
Canlaon City	1. Arnulfa L. Marcial	OIC-EPS	DIVISION OFFICE
	2. Felicidad G. Pelaez	Principal-1	Cluster 3 Head
Carcar City	1. Oliver A. Campugan	EPS	Division Office
	2. Wilma Plarisan	Principal 1	Valladolid ES
Cebu City	1. Marites V. Patiño	EPSvr	Division Office
	2. Roxanne L. Salcedo	Head Teacher III	Carreta Night High School
	3. Ronald S. Relampago	Head Teacher III	Tagba-o National High School
	4. Madelin B. Tinapay	School Principal	Talamban Elementary School
	5. Ma. Linda A. Adolfo	School Principal	Mambaling Elementary School
Cebu Province	1. Pamela Rodemio	EPS	Division Office

	2. Luzviminda G. Bariquet	School Principal	Minglanilla Central Elementary School
	3. Romela U. Quiamco	School Principal	Calajoan Elementary School
	4. Cherry Lou F. Zapanta	Head Teacher V	San Fernando Open & Night High School
	5. Chona L. Bayang	School Principal	Argao Central School
City of Bogó	1. Pedro O. Mapait	EPS	Division Office
	2. Jose Dennis B. Ruiz	School Head	Marcelo B. Fernan Polambato Elem. School
City of Naga	1. Edgar J. Gonzaga	EPS	Division Office
	2. Jonalyn Deriquito	School Head	Lutac Elementary School
Danao City	1. Mary Ann E. Ramos	EPS	SDO-CID
	2. Jerome M. Hermosilla	Head Teacher II	Sacsac Integrated School
Dumaguete City	1. Miraluna V. Albina	EPS	DO
	2. Mary Grace S. Paira	Asst. Principal	Magsaysay Memo. Elem. School
Guihulngan City	1. Estrella B. Icalina	EPS	DO
	2. Saturnino C. Tusita	TIC	Maculos Elem School
Lapu-Lapu City	1. Cecilia Arcenal	EPS	
	2. Glenda B. Pogoy	Principal II	
Mandaue City	1. Jocel Beduya	EPS	DO
	2. Louwela P. Guerrero	Principal IV	Mandaue City Central School
Negros Oriental	1. Elisa L. Baguio	EPS	SDO Negros Oriental
	2. Agripina S. Jabanés	Principal I	Malaunay ES, Valencia District
	3. Ma. Alfie V. Alcoran	Principal I	Nagcasunog ES, Bindoy I

Siquijor	4. Ju-An Jaluag	Principal 1	Tupas ES, Manjuyod 2
	1. Neddy G. Arong	EPS	SDO Siquijor
Tagbilaran City	2. Jeney A. Mercader	Principal 1	Enrique Villanueva Central School
	1. Elisa B. Geagonia	EPS	Division Office
Talisay City	2. Edgar A. Fernandez	Head Teacher III	Dampas Elementary School
	1. Erwin Caparida	EPS	SDO-CID
Tanjay City	2. Roreen Salceda	Principal I	Borromeo Brothers Elementary School
	1. Nestor S. Jadraque	EPS	
Toledo City	2. Larquin Zerna	ESP 1	
	1. Ricardo D. Bahena	EPS	Division Office
	2. Jeanah D. Borgonia	Principal III	South City Central School



02 October 2023

DR. SALUSTIANO T. JIMENEZ, JD, CESO V
Director IV
Department of Education
Regional Office VII
Lahug, Cebu City

Dear Dr. Jimenez:

We are pleased to inform you that the Science Education Institute of the Department of Science and Technology (DOST-SEI) will now be conducting the regional training for the project *Science Teacher Academy for the Regions (STAR)*. This year's training for teachers is entitled "**Instrumentation and Improvisation in Science and Mathematics Teaching and Learning.**" This training aims to rationalize the importance of instrumentation and improvisation in developing mastery of essential learning competencies in science and mathematics. It also aims to design improvised teaching and learning materials/resources using the design thinking process for the use in the actual classroom teaching and learning.

In this regard, we would like to invite the school heads from your region, who are major in science and mathematics, to participate in the STAR regional training to be held on **November 6-10, 2023** (inclusive of travel dates) in Cebu City. You may also join the Schools Division Office-Education Program Supervisors in science and math or personnel who are involved in managing special program in science/math. For this training, we will be requesting a total of **100 participants (50 science, 50 mathematics)**. The DOST-SEI will shoulder the venue, food, and training kits. The participants, on the other hand, will shoulder the accommodation during their attendance to the training. We will also be requesting the participants to bring an improvised material in science and mathematics (one per division) that they are currently using in their respective classes.

Moreover, we would like to invite the Regional Education Program Supervisors and STAR trainers, **Dr. Bryant Acar** and **Mr. Cesar Restauero**, to be one of our resource persons and help us in facilitating the lecture-discussions/workshops.

Our staff, **Ms. Belle Gayas**, will coordinate with your office on this request. Should there be further queries, she may be reached at mobile number 0995 429 8180 or at email address seid.trainingunit@gmail.com.

Thank you and we look forward to your positive response to our request

Very truly yours,

JOSETTE T. BIYO, Ph.D.
Director

**“Instrumentation and Improvisation in Science and
Mathematics Teaching and Learning”**

November 6-10, 2023 | Cebu City

Day 0 (Travel Time) Nov. 6, 2023	
Day 1	November 7, 2023 AM
8:00 – 8:30	Registration
8:30 – 9:00	Opening Program
	Prayer
	National Anthem
	Welcome Remarks <i>Ms. Cynthia T. Gayya</i> <i>Supervising SRS, OIC SEID</i>
	Statement of Objectives <i>Ms. Jobelle P. Gayas</i> <i>Senior SRS, Training Unit</i>
9:00 – 10:15	PLENARY 1 The TPACK Framework and the Instructional Models in Teaching Science and Mathematics Dr. Helen Boholano
10:30 – 12:00	PLENARY 2 Improvisation and Developing an Improvisational Mindset Dr. Erwin Corales
12:00 – 1:00	LUNCH
PM	
1:00 – 2:00	PLENARY 3 Improvisation and Design Thinking in Science and Mathematics Dr. Vincent Theodore Balo
2:00 – 6:00	WORKSHOP 1 Instrumentation and Improvisation Using Design-Thinking <i>Remarks/Expected Output:</i> <ul style="list-style-type: none">• To enhance the Improvised Materials.• To make a (short) user's Guide/Flyer on how to use the improvised material. <i>in Science</i> Dr. Bryant Acar <i>In Mathematics</i> Mr. Ray Ferdinand Gagani

Day 2	November 8, 2023	
AM		
7:00 – 7:30	Registration	
7:30 – 8:00	Management of Learning Assigned Divisions	
8:00 – 10:30	WORKSHOP 2 The Use of Instruments and Improvised Materials in Assessing Learners	
	<i>in Science</i> Dr. Jewish Merin	<i>In Mathematics</i> Sir Cesar Restauro
10:30 – 12:00	WORKSHOP 3 Evaluating Improvised Material	
	<i>in Science</i> Dr. Blanca Alejandro	<i>In Mathematics</i> Dr. Vincent Balo
12:00 – 1:00	Lunch	
PM		
1:00 – 6:00	WORKSHOP 4 Demonstration of Improvised Material	
	<i>in Science</i> All Resource Persons	<i>In Mathematics</i> All Resource Persons
		<i>Remarks:</i> <ul style="list-style-type: none"> • <i>Participants will be asked to create their own rubric.</i>
		<i>Remarks:</i> <ul style="list-style-type: none"> • <i>Demonstration of 20 SDOs (science) and 20 SDOs (math)</i> • <i>Supervisors will prepare the action plan (assignment); 20 action plans (science) and 20 action plans (math)</i>

Day 3	November 9, 2023	
AM		
7:00 – 7:30	Registration	
7:30 – 8:00	Management of Learning Assigned Divisions	
8:00 – 3:00	WORKSHOP 4 (continuation) <i>Demonstration of Improvised Material (per division)</i>	
		<i>Remarks:</i> <i>To set up the exhibit while waiting for the others to finish the demo.</i>
3:00 – 6:00	Closing Program	
	Exhibit viewing Training Evaluation Impression from the Participants Awarding of Winners Awarding of Certificates Closing Remarks	