



Republic of the Philippines
Department of Education
Region VI-Western Visayas
SCHOOLS DIVISION OF KABANKALAN CITY

Office of the Schools Division Superintendent

Division Memorandum
No. 268 s. 2022

JULY 05, 2022

**TRAINING WORKSHOP IN INCLUSIVE SCIENCE EDUCATION
FOR LINGUISTIC AND CULTURAL DIVERSITY**

To: OIC-Asst. Schools Division Superintendent
CID & SGOD Chiefs
Public Schools District Supervisors
Public Secondary School Heads
All Others Concerned

1. Relative to the issuance of Regional Memorandum no. 422, s. 2022 on the dissemination of the letter from Philippine Normal University, the field is hereby informed of the conduct of the **Training Workshop in Inclusive Science Education for Linguistic and Cultural Diversity** for free via Zoom video conferencing on July 19 – 22, 25 and 27, 2022.
2. This training is envisioned to promote advancement in science to improve quality, sustainability, and inclusivity in science education at the basic education level.
3. The division will assign 20 Science Teacher participants to attend the training to wit:

No.	Name	Level	School
1	Mylenn Teope	Elementary	Oringao ES
2	Ma. Theresa Medel	Elementary	ERAMS-West
3	Marnelli Relota	Elementary	Pinaguinpinan ES
4	Lilibeth Padilla	Elementary	ERAMS-East
5	Claville Brillas	Elementary	Balisong ES
6	Chona Toroy	Elementary	NOAC ES
7	Wilna Gasataya	Elementary	Daan Banwa ES



Address: Tayum Street, Barangay 8, Kabankalan City, Negros Occidental
Telephone Number: 471-2004 | 471-2003
E-mail: kabankalan.city001@deped.gov.ph



Republic of the Philippines
Department of Education
Region VI-Western Visayas
SCHOOLS DIVISION OF KABANKALAN CITY

8	Jemir Victosa	Elementary	Tapi ES
9	Roland Tarrazona	Elementary	Bantayan ES
10	Angelie Rose Omero	Elementary	Camansi ES
11	Jelmer Gumban	Secondary	Talubangi NHS
12	Jinno Grande	Secondary	Binicuil NHS
13	Maricel Yulo	Secondary	Bantayan NHS
14	Leizel Tan	Secondary	Kabankalan NHS
15	Sheela Mae Alolo	Secondary	Tabugon NHS
16	Darlet Mar Lamasan	Secondary	Camansi NHS
17	Mercy Monarca	Secondary	Tampalon NHS
18	Jeffrey Lestino	Secondary	F Galang Sr NHS
19	Arnel Abaton	Secondary	Tagukon NHS
20	Expedito Isturis Jr	Secondary	Tan-awan NHS

4. Attached herewith are the copy of Program Matrix and List of Speakers/Resource Persons with their Educational Qualifications relative to the said training.

5. Immediate dissemination of and compliance with this Memorandum are enjoined


NICASIO S. FRIO, CESO VI

Assistant Schools division Superintendent
Officer-in-Charge
Office of the Schools Division Superintendent



Address: Tayum Street, Barangay 8, Kabankalan City, Negros Occidental
Telephone Number: 471-2004 | 471-2003
E-mail: kabankalan.city001@deped.gov.ph



Educating Science Teachers for All

Philippine Normal University
The National Center for Teacher Education

Training Workshop in Inclusive Science Education for Linguistic and Cultural Diversity

REGISTRATION FEE

NO REGISTRATION FEE

VENUE:

ONLINE (VIA ZOOM VIDEO CONFERENCING)

TIME DURATION:

Synchronous: July 19, 20, 21, 22, 25, 27, Asynchronous [as per schedule with mentors: July 28-August 15], Closing Activity: August 16, 2022

PROGRAM

Sub-Topics and Time Allotment for every topic (in hours)	Program Flow	Oral Presentation Themes	Speakers and Moderators
Day 1: [1:00-5:00 PM]			
Opening Program:	1:00-1:45 PM Opening Program		
Keynote 1: Teacher Quality	2:00-2:45 1 Keynote	Keynote 1: Teacher Quality This session will provide key discussion points on teacher quality. The aim is to provide teachers with an understanding of the extent of teacher quality to achieving quality education referenced to global themes such as the SDGs and national focus.	VPA Jennie V. Jocson Vice President for Academics, PNU-Manila
Plenary 1: Science Education	2:45-3:30 1 Plenary		
Keynote 2: ESTA Program and the International Consortium	3:30-4:30 2 Keynote		
	4:30-5:00 Q&A		
		Plenary 1: Science Education This session will familiarize teachers with the general purposes of Science Education and the aims and	Prof. Marie Paz E. Morales ESTA-Phil-PNU Project Lead] Prof. Sylvia Markic ESTA-Project Lead Moderator/Facilitator: Mr. Alfons Jayson O. Pelgone

Taft Avenue, Manila, 1000, Philippines

+632-5317-1768 Loc. 778
publications.office@pnu.edu.ph
poipnuresearchportal.org



Educating Science Teachers for All

Philippine Normal University

The National Center for Teacher Education

		<p>goals of science education in the Philippines.</p> <p>Keynote 2: ESTA Program and the International Consortium</p> <p>This session will focus on the description and nature of the international capacity building program for science teachers.</p>	ESTA-Phil-PNU Team
<p>Day 2: [1:00-5:00 PM]</p> <p>Plenary 2: Language for Sciences</p> <p>AST 1: Diversity in Class</p> <p>AST 2: Conceptual Change</p>	<p>1:00-1:30 PM Preliminaries</p> <p>1:30-2:30 Plenary 2</p> <p>2:30-3:30 AST 1</p> <p>3:30-4:30 AST 2</p> <p>4:30-5:00 Q&A</p>	<p>Plenary 2: Language for Sciences</p> <p>This session focuses on the rhetorical functions, syntactic constructions, and vocabulary frequently used in scientific discourse. In reviewing the language for Science, the participants will be directed to the aspects of language that can be highlighted in the module exemplars.</p> <p>AST 1: Diversity in Class</p> <p>This Academic Staff Tour engages participants through a thorough discussion of how to diagnose diversity in class. The session will familiarize participants on probable ways and activities to detect diversity and heterogeneity in class.</p> <p>AST 2: Conceptual Change</p>	<p>Dr. Ruth A. Alido ESTA-Phil-PNU Team</p> <p>Mr. Alfons Jayson O. Pelgone ESTA-Phil-PNU Team</p> <p>Dr. Leah Amor S. Cortez ESTA-Project Team</p> <p>Moderator/Facilitator: Dr. Crist John M. Pastor ESTA-Phil-PNU Team</p>

Taft Avenue, Manila, 1000 Philippines

+632-5317-1768 Loc. 778

publications.office@pnu.edu.ph

po.pnu.edu.ph



Educating Science Teachers for All

Philippine Normal University

The National Center for Teacher Education

		<p>This Academic Staff Tour engages participants through a thorough discussion of interest in science education as well as the conceptual change model. Part of the highlight of the session is the presentation of 'hooks' in teaching science which may be in the form of videos, puzzles and intriguing questions. The session is directed towards understanding how students coming from various socio-economic, cultural and language backgrounds bring with them a sense of conceptual understanding. Teacher knowledge on conceptual change allows science educators to provide engaging learning experiences to our science learners.</p>	
<p>Day 3: [1:00-5:00 PM]</p> <p>Plenary 3: Contextualization</p> <ul style="list-style-type: none">• Culture for Sciences• Culture Integration <p>AST 3: Acquisition of Science Capital in Chemistry</p>	<p>1:00-1:30 PM Preliminaries</p> <p>1:30-3:30 Plenary 3</p> <p>3:30-4:30 AST 3</p> <p>4:30-5:00 Q&A</p>	<p>Plenary 3: Contextualization</p> <p>This session leads the participants to acquire a deep understanding of the concept, background, and teaching-learning processes of contextualization. Included in the session is the development of one's epistemology of</p>	<p>Dr. Zenaida Q. Reyes ESTA-Phil-PNU Team</p> <p>Dr. Crist John M. Pastor ESTA-Phil-PNU Team</p> <p>Moderator/Facilitator: Dr. Leah Amor S. Cortez ESTA-Phil-PNU Team</p>

Taft Avenue, Manila, 1000, Philippines

+632-5317-1768 Loc. 778
publications.office@pnu.edu.ph
pnu-researchportal.org



Educating Science Teachers for All

Philippine Normal University

The National Center for Teacher Education

		<p>contextualization as the basis of one's praxis.</p> <p>AST 3: Acquisition of Science Capital in Chemistry This session focuses on identification of factors and drivers that encourage students to learn Chemistry, and at large, Science. The outcomes of the research article authored by Rüschenpöhler and Markic in 2019 to emphasize the role of families, peers and significant others in the development of positive attitudes and increased engagement of students to science.</p>	
<p>Day 4: [1:00-5:00 PM]</p> <p>Plenary 4: Indigenous Languages and proficiency in Language</p> <p>AST 4: Chemistry self-concepts: gender and culture, and the impact of chemistry self-concept on learning behavior</p> <p>AST 5: Technology Integration</p>	<p>1:00-1:30 PM Preliminaries</p> <p>1:30-2:30 Plenary 4</p> <p>2:30-3:30 AST 4</p> <p>3:30-4:30 AST 5</p> <p>4:30-5:00 Q&A</p>	<p>Plenary 4: Indigenous Languages and proficiency in Language</p> <p>This session will disseminate how technology can be used to preserve the language of the indigenous people.</p> <p>AST 4: Chemistry self-concepts: gender and culture, and the impact of chemistry self-concept on learning behavior</p> <p>This session focuses on students' chemistry self-concept with respect to their cultural background and gender. The session also</p>	<p>Dr. Rochelle Irene G. Lucas ESTA-Phil-DLSU Team</p> <p>Dr. Arlyne C. Marasigan ESTA-Phil-PNU Team</p> <p>Mr. Ruel A. Avilla ESTA-Project Team</p> <p>Moderator/Facilitator: Dr. Ruth A. Alido ESTA-Phil-PNU Team</p>

Taft Avenue, Manila, 1000, Philippines

+632-5317-1768 Loc: 778

publications.office@pnu.edu.ph

pej.pnuresearchportal.org



Educating Science Teachers for All

Philippine Normal University
The National Center for Teacher Education

		<p>highlights the students thinking about science and scientists and the colonial portrayal of Filipinos.]</p> <p>AST 5: Technology Integration This session focuses on the nature, significance and methods of technology integration. The session also highlights some frameworks used in technology interaction inside a science classroom.</p>	
<p>Day 5: [1:00-5:00 PM]</p> <p>Plenary 5: Other ESTA-Country Participants Experiences</p> <p>AST 6: Flipped Classroom Topic 1: Orientation to Lesson Exemplar (LE) Development Workshop</p> <ul style="list-style-type: none"> • Agreements for Part 2: LE Development Workshop • Groupings for Consultation and Mentoring 	<p>1:00-1:30 PM Preliminaries</p> <p>1:30-2:30 Plenary 5</p> <p>2:30-3:30 AST 6</p> <p>3:30-4:30 Topic 1</p> <p>4:30-5:00 Q&A</p>	<p>Plenary 5: Other ESTA-Country Participants Experiences This session will primarily focus on the sharing of other partner countries/universities on managing diversity and heterogeneity in science classes.</p> <p>AST 6: Flipped Classroom This session presents the theoretical underpinnings and instructional processes implemented in science teaching through flipped classroom approach (FCA). It also highlights the instructional technologies and significant implications</p>	<p>Dr. Marika Kapanadze ESTA-Georgia Team</p> <p>Dr. Lydia S. Roleda ESTA-Phil-DLSU Team</p> <p>Dr. Brando C. Palomar ESTA-Project Team</p> <p>Moderator/Facilitator: Mr. Ruel A. Avilla ESTA-Phil-PNU Team</p>

Taft Avenue, Manila, 1000, Philippines

+632-5317-1788 Loc: 778
publications.offices@pnu.edu.ph
pnu@pnu.edu.ph



Educating Science Teachers for All

Philippine Normal University

The National Center for Teacher Education

		<p>of FCA as utilized in science teaching based on current empirical studies. Similarly, this session provides insights on how FCA is appropriately applicable in teaching science in the context of the pandemic and post-pandemic experiences.</p> <p>Topic 1: Orientation to Lesson Exemplar (LE) Development Workshop</p> <p>This session aims to present the features of the instructional design of the Lesson Exemplar anchored on the developed frameworks and models. The session also intends to familiarize the participants on the implementing guidelines on how to develop Lesson Exemplars influenced by the aforementioned models, agreements, groupings and processes of consultation and mentoring.</p>	
<p>Day 6: [1:00-5:00 PM]</p> <p>Science Educator Sharing</p> <p>1: Chemistry</p> <p>Science Educator Sharing</p> <p>2: Physics</p> <p>Science Educator Sharing</p> <p>3: Biology</p> <p>Science Educator Sharing</p> <p>4: Environmental Science</p>	<p>1:00-1:30 PM Preliminaries</p> <p>1:30-4:00 Insights and Experiences</p> <p>4:00-5:00 Q&A</p>	<p>This session will primarily focus on the sharing of Science Teacher Educators on developing their courses using the framework.</p>	<p>Chemistry: Prof. Nelson Garcia</p> <p>Physics 1: Prof. Amber Dea Marie V. Peguit-Opeda</p> <p>Physics 2: Jayson L. De Vera</p>

Taft Avenue, Manila, 1000, Philippines

+632-5317-1788 Loc 776

publications.office@pnu.edu.ph

ps.pnu-researchportal.org



Educating Science Teachers for All

Philippine Normal University

The National Center for Teacher Education

			<p>Biology 1: Dr. Marie Grace S. Cabansag</p> <p>Biology 2: Dr. Brian M. Limson</p> <p>Moderator/Facilitator: Dr. Brando C. Palomar</p> <p>ESTA-Phil-PNU Team</p>
<p>Week 2 [Asynchronous] Lesson Exemplar Development</p>		<p>Lesson Exemplar Development</p> <p>The session will focus on facilitating participants for them to be able to draft and craft their Lesson Exemplars. Informal sharing may be within and across groups and disciplines to exact the finest Lesson Exemplar for a particular science lesson or topic.</p>	<p>ESTA-Phil-PNU Team</p> <p>PNU Science Educators</p>
<p>Week 3 [Asynchronous] Lesson Exemplar Peer Review</p>		<p>Lesson Exemplar Peer Review</p> <p>In this session, crafted and designed Lesson Exemplars for science lessons or topics will be subjected to peer review (by fellow participants) to help the developers provide varied perspectives while peers assess their Lesson Exemplars. This session aims to provide constructive remarks for the improvement or enhancement of developed</p>	<p>ESTA-Phil-PNU Team</p> <p>PNU Science Educators</p>

Taft Avenue, Manila, 1000, Philippines

+632-5317-1768 Loc. 778

publications.office@pnu.edu.ph

pnu-researchportal.org



Educating Science Teachers for All

Philippine Normal University
The National Center for Teacher Education

		Lesson Exemplars and to determine alignment of designed Lesson Exemplars to the aforementioned models and frameworks.	
Week 4 [Asynchronous] Lesson Exemplar Revision		Lesson Exemplar Revision In this session, developers of Lesson Exemplars will engage in revising their products based on the comments and suggestions of their peers. This is a prerequisite to the next activity that will focus on presentation of the revised Lesson Exemplars to the ESTA-Philippines-PNU Team and critiquing of the panel of evaluators.	ESTA-Phil-PNU Team PNU Science Educators
Week 5 Lesson Exemplar Presentation and Panel Critiquing		Lesson Exemplar Presentation and Panel Critiquing In this session, crafted and designed Lesson Exemplars for science lessons or topics will be presented to the participants and experts. Critiquing will also be done to provide constructive remarks for the improvement or enhancement of presented Lesson Exemplars and to determine alignment of designed Lesson Exemplars to the aforementioned models and frameworks.	ESTA-Phil-PNU Team PNU Science Educators

Taft Avenue, Manila, 1000, Philippines

+632-5317-1788 Loc. 778
* publications.off@pnu.edu.ph
● pnu-researchportal.org



Educating Science Teachers for All

Philippine Normal University
The National Center for Teacher Education

Training Workshop in Inclusive Science Education for Linguistic and Cultural Diversity

REGISTRATION FEE

NO REGISTRATION FEE

VENUE:

ONLINE (VIA ZOOM VIDEO CONFERENCING)

TIME DURATION:

Synchronous: July 19, 20, 21, 22, 25, 27, Asynchronous [as per schedule with mentors: July 28-August 15], Closing Activity: August 16, 2022

Sub-Topics and Time Allotment for every topic (in hours)	Program Flow
<p>Day 1: [1:00-5:00 PM]</p> <p>Opening Program:</p> <p>Keynote 1: Teacher Quality</p> <p>Plenary 1: Science Education</p> <p>Keynote 2: ESTA Program and the International Consortium</p>	<p>1:00-1:45 PM Opening Program</p> <p>2:00-2:45 Keynote 1</p> <p>2:45-3:30 Plenary 1</p> <p>3:30-4:30 Keynote 2</p> <p>4:30-5:00 Q&A</p>
<p>Day 2: [1:00-5:00 PM]</p> <p>Plenary 2: Language for Sciences</p> <p>AST 1: Diversity in Class</p> <p>AST 2: Conceptual Change</p>	<p>1:00-1:30 PM Preliminaries</p> <p>1:30-2:30 Plenary 2</p> <p>2:30-3:30 AST 1</p> <p>3:30-4:30 AST 2</p> <p>4:30-5:00 Q&A</p>

Tarlac Avenue, Manila, 1000, Philippines

+632-5317-1768 Loc. 778

publications.ozf.ces@pnu.edu.ph

pnu-researchportal.org



Educating Science Teachers for All

Philippine Normal University
The National Center for Teacher Education

<p>Day 3: [1:00-5:00 PM]</p> <p>Plenary 3: Contextualization</p> <ul style="list-style-type: none"> ● Culture for Sciences ● Culture Integration <p>AST 3: Acquisition of Science Capital in Chemistry</p>	<p>1:00-1:30 PM Preliminaries</p> <p>1:30-3:30 Plenary 3</p> <p>3:30-4:30 AST 3</p> <p>4:30-5:00 Q&A</p>
<p>Day 4: [1:00-5:00 PM]</p> <p>Plenary 4: Indigenous Languages and proficiency in Language</p> <p>AST 4: Chemistry self-concepts: gender and culture, and the impact of chemistry self-concept on learning behavior</p> <p>AST 5: Technology Integration</p>	<p>1:00-1:30 PM Preliminaries</p> <p>1:30-2:30 Plenary 4</p> <p>2:30-3:30 AST 4</p> <p>3:30-4:30 AST 5</p> <p>4:30-5:00 Q&A</p>
<p>Day 5: [1:00-5:00 PM]</p> <p>Plenary 5: Other ESTA-Country Participants Experiences</p> <p>AST 6: Flipped Classroom</p> <p>Topic 1: Orientation to Lesson Exemplar (LE) Development Workshop</p> <ul style="list-style-type: none"> ● Agreements for Part 2: LE Development Workshop ● Groupings for Consultation and Mentoring 	<p>1:00-1:30 PM Preliminaries</p> <p>1:30-2:30 Plenary 5</p> <p>2:30-3:30 AST 6</p> <p>3:30-4:30 Topic 1</p> <p>4:30-5:00 Q&A</p>
<p>Day 6: [1:00-5:00 PM]</p> <p>Science Educator Sharing 1: Chemistry</p> <p>Science Educator Sharing 2: Physics</p> <p>Science Educator Sharing 3: Biology</p> <p>Science Educator Sharing 4: Environmental Science</p>	<p>1:00-1:30 PM Preliminaries</p> <p>1:30-4:00 Insights and Experiences</p> <p>4:00-5:00 Q&A</p>
<p>Week 2 [Asynchronous]</p> <p>Lesson Exemplar Development</p>	
<p>Week 3 [Asynchronous]</p> <p>Lesson Exemplar Peer Review</p>	

Taft Avenue, Manila, 1000, Philippines

+632-5317-1769 Loc. 778
 • publications.offices@pnu.edu.ph
 • pnu-researchportal.org



Educating Science Teachers for All

Philippine Normal University
The National Center for Teacher Education

Week 4 [Asynchronous] Lesson Exemplar Revision	
Week 5 Lesson Exemplar Presentation and Panel Critiquing	

Taft Avenue, Manila, 1000, Philippines

+632-5317-1768 Loc. 778

publications.off@ce@pnu.edu.ph

pnu-researchportal.org



Educating Science Teachers for All

Philippine Normal University
The National Center for Teacher Education

Training Workshop in Inclusive Science Education for Linguistic and Cultural Diversity

LIST OF SPEAKERS/RESOURCE PERSONS TOGETHER WITH THEIR EDUCATIONAL QUALIFICATIONS

Speakers/Resource Persons	Education Qualifications
rof. Marie Paz E. Morales STA-Phil-PNU Project Lead	Doctor of Philosophy in Science Education at De La Salle University
rof. Sylvia Markic STA-Project Lead	Dr. re. nat with summa cum laude at University of Education-Ludwigsburg
r. Ruth A. Alido STA-Phil-PNU Team	Doctor of Philosophy in Applied at Linguistics De La Salle University
Ir. Alfons Jayson O. Pelgone STA-Phil-PNU Team	Doctor of Philosophy in Science Education at Philippine Normal University (2017-Present)
r. Leah Amor S. Cortez STA-Project Team	Doctor of Philosophy in Biology at De La Salle University-Dasmarias
r. Zenaida Q. Reyes STA-Phil-PNU Team	Doctor of Philosophy in Philippine Studies at University of the Philippines
r. Crist John M. Pastor STA-Phil-PNU Team	Doctor of Philosophy in Biochemistry University of the Philippines
r. Rochelle Irene G. Lucas STA-Phil-DLSU Team	Doctor of Philosophy in Applied Linguistics at De La Salle University
r. Arlyne C. Marasigan STA-Phil-PNU Team	Doctor of Philosophy in Educational Leadership and Policy at Beijing Normal University
Ir. Ruel A. Avilla STA-Project Team	Master of Arts in Science Education with specialization in Chemistry at Philippine Normal University
r. Marika Kapanadze STA-Georgia Team	Doctor of Philosophy in Education at Ilia State University



Educating Science Teachers for All

Philippine Normal University
The National Center for Teacher Education

Dr. Lydia S. Roleda ESTA-Phil-DLSU Team	Doctor of Philosophy in Physics at De La Salle University
Dr. Brando C. Palomar ESTA-Project Team	Doctor of Philosophy (Research Postgraduate Programme) at The Education University of Hong Kong
Prof. Nelson Garcia PNU-Manila	Doctor of Philosophy in Chemistry at the University of Santo Tomas
Prof. Amber Dea Marie V. Peguit-Opeda PNU-Manila	Master of Arts in Physics at Mindanao State University-Iligan Institute of Technology
Mr. Jayson L. De Vera PNU-Manila	Doctor of Philosophy in Science Education at Philippine Normal University (2017-Present)
Dr. Marie Grace S. Cabansag PNU-Manila	Doctor of Philosophy at Isabela State University
Dr. Brian M. Limson PNU-Manila	Doctor of Medicine at De La Salle Medical & Health Sciences Institute