



Republic of the Philippines
Department of Education
REGION IV-A CALABARZON



CLMD-RA-2023-121

September 27, 2023

In compliance with DepEd Order (DO) No. 8, s. 2013
this advisory is issued not for endorsement per DO 28, s. 2001,
but only for the information of DepEd officials,
personnel/staff, as well as the concerned public.
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**INSTRUMENTATION AND IMPROVISATION IN SCIENCE AND
MATHEMATICS TEACHING AND LEARNING**

With reference to the invitation from the Department of Science and
Technology – Science Education Institute dated September 19, 2023 about the
abovementioned activity which will be held on November 7-10, 2023 at Batangas
City, attached is the copy of letter from the Director, Josette T. Biyo which contains
details of the event.

For information to all concerned.

cc:02/ROC7



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Certificate No. PHP QMS
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Enclosure 1

Letter and Program of Activities



Republic of the Philippines
Department of Science and Technology
Science Education Institute

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19 September 2023

ATTY. ALBERT ESCOBARTE

Regional Director
Department of Education
Regional Office IV-A CALABARZON

Dear Atty. Escobarte:

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 50 science and 50 mathematics teachers from your region to participate in the STAR regional training to be held on **November 7-10, 2023** (inclusive of travel dates), in Batangas City. The DOST-SEI will shoulder the venue, food, and training kits of the participants. Moreover, we would like to invite your Education Program Supervisor, **Mr. Paul Gence Ocampo**, to help us in facilitating the lecture-discussions/workshops.

Attached herewith is the tentative program of activities, for your reference. 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 sei.d.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"**



DAY 1		
AM		
8:00 – 8:30	Registration	
8:30 – 9:00	Opening Program	
	-Prayer -National Anthem	
9:00 – 10:15	<p><i>-Welcome Remarks</i></p> <p><i>Ms. Cynthia T. Gayya</i> <i>Supervising SRS, OIC SEID</i></p> <p><i>-Statement of Objectives</i></p> <p><i>Ms. Jobelle P. Gayas</i> <i>Senior SRS, Training Unit</i></p> <p>PLENARY 1</p> <p>The TPACK Framework and the Instructional Models in Teaching Science and Mathematics</p>	
10:15 – 10:30	HEALTH BREAK	
10:30 – 12:00	<p>PLENARY 2</p> <p>Improvisation and Developing Improvisational Mindset</p>	
12:00 – 1:00	LUNCH	

PM 1:00 – 2:00	PLENARY 3 Improvisation and Design Thinking for Science and Mathematics	
2:00 – 3:30	WORKSHOP 1 Using Instrumentation and Improvisation for Inquiry- Based Lessons	
	IN SCIENCE	IN MATHEMATICS
3:30 – 5:00	WORKSHOP 2 Developing STEM Skills through Student-led Improvisation	
	IN SCIENCE	IN MATHEMATICS
DAY 2		
AM 7:00 – 7:30	Registration	
7:30 – 8:00	Management of Learning Assigned Divisions	
8:00 – 9:45	WORKSHOP 3 Instrumentation and Improvisation	
	IN SCIENCE	IN MATHEMATICS
9:45 – 10:15	HEALTH BREAK	
10:15 – 12:00	WORKSHOP 4 The Use of Instruments and Improvised Materials in Assessing Learners	
	IN SCIENCE	IN MATHEMATICS

12:00 – 1:00	LUNCH	
PM 1:00 – 4:00 (Group Work)	WORKSHOP 5 Preparing Lessons Using Instruments and/or Improvised Materials	
	IN SCIENCE	IN MATHEMATICS
DAY 3		
AM 7:00 – 7:30 7:30 – 8:00	Registration Management of Learning Assigned Divisions	
8:00 – 9:00	Finalization of Outputs	
9:00 – 12:00	Presentation and Critiquing of Lesson Plans	
12:00 – 1:00	LUNCH	
PM		
1:00 – 3:00	Presentation and Critiquing of Lesson Plans	
	Panelists for SCIENCE (All resource persons)	Panelists for MATHEMATICS (All resource persons)
3:00 – 4:00	Action Planning (Group Work)	
4:30 – 5:00	Closing Program	