



Republic of the Philippines
Department of Education
REGION IV-A CALABARZON
GATE II, KARANGALAN VILLAGE
1900 CAINTA, RIZAL



Regional Memorandum

**REGIONAL WORKSHOP FOR INTEGRATING ICT IN MATHEMATICS EDUCATION
FOR SENIOR HIGH SCHOOL TEACHERS**

To **All Schools Division Superintendents**

1. The DepEd Region IV-A CALABARZON, through the Curriculum and Learning Management Division (CLMD), will conduct the **Regional Workshop for Integrating ICT in Mathematics Education for Senior High School Teachers on February 7 – 11, 2022 via online platform Zoom.**
2. This activity aims to improve the quality of mathematics educators and education personnel in the region through to the integration of ICT in teaching Mathematics in SHS.
3. Participants to this activity are select Senior High School Mathematics Teachers who will be identified and announced in a separate memorandum.
4. Matrix of the activity is indicated in Enclosure 1 while Terms of Reference is indicated in Enclosure 2.
5. For clarifications and queries, contact **MARVELINO M. NIEM**, Education Program Supervisor and **JOB S. ZAPE, JR.**, CLMD Chief at (02) 8681-7249 local 420.
6. Immediate dissemination of this Memorandum is desired.


FRANCIS CESAR B. BRINGAS
Regional Director

clmd/mmn



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Trunkline: 02-8682-5773/8684-4914/8647-7487 local 420

Website: depedcalabarzon.ph

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Regional Workshop on Integrating ICT in Mathematics Education for Senior High School Teachers

DATE / TIME	Day 1 January, 2022	Day 2 January, 2022	Day 3 January, 2022	Day 4 January, 2022	Day 5 January, 2022
8:00-8:30	Registration	Management of Learning	Management of Learning	Management of Learning	Management of Learning
8:30-9:30	Opening Ceremony/Course Orientation	Integrating ICT in Mathematics Classroom	Integrating ICT in Mathematics Classroom	Designing Learning Media Using GEOGEBRA	Integrating ICT in Mathematics Classroom
9:30-9:45	Water Break	Water Break	Water Break	Water Break	Water Break
9:45-10:45	PRETEST	Building Manipulative Interactive Media with Application: GEOGEBRA	Building Digital Activity with Application: DESMOS	Designing Learning Media Using GEOGEBRA	POSTTEST
10:45-11:45	Current Issues and Trends in Mathematics Education	Building Manipulative Interactive Media with Application: GEOGEBRA	Building Digital Activity with Application: DESMOS	Designing Learning Media Using GEOGEBRA	Closing Ceremony
11:45-12:45	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
12:45-1:00	Ice Breaker	Building Manipulative Interactive Media with Application: GEOGEBRA	Building Digital Activity with Application: DESMOS	Integrating ICT in Mathematics Classroom	
1:00-2:00	Concepts and Principles of Integrating ICT in Mathematics Classroom	Building Manipulative Interactive Media with Application: GEOGEBRA	Building Digital Activity with Application: DESMOS	Integrating ICT in Mathematics Classroom	
2:00-3:30	Coffee Break	Coffee Break	Coffee Break	Coffee Break	
3:30-4:30	Technological Pedagogical Content Knowledge	Designing Learning Media Using GEOGEBRA	Designing Learning Media Using DESMOS	Integrating ICT in Mathematics Classroom	
Minute Taker/s	TWG	TWG	TWG	TWG	TWG
Facilitator/s	Jojemar M. Obligar	Joy Belmonte/Jollard Flores	Jollard Flores	Jojemar M. Obligar/Jollard Flores	Jojemar M. Obligar/Jollard Flores
Expected Outputs	Reflection/PRETEST Result	Google Classrooms/Classwork Accomplishment	Geogebra Applet/Desmos Activity	Presentation of Output/Per Group/Per Individual	Evaluation/POSTTEST Result

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Enclosure 2

Terms of Reference

The CLMD shall be responsible for the entire conduct of the activity from online platform to the logistics needed:

The **Focal Persons** shall:

- craft the proposal, and memorandum.
- conduct meetings with the facilitator;
- lead the review and evaluation of the presentation to be used for the activity;
- oversee the conduct of the activity;
- provide workshop templates, initial points for the refinement of the slide decks and pointers in the development of the workshop; and
- lead the team for the conduct of debriefing sessions.

The **Regional Secretariat** shall:

- prepare the completion report;
- coordinate with the moderator regarding the materials needed for the workshop and the documents that needed to be accomplished daily;
- prepare and print certificates of recognition, participation, and appearance; and
- submit the needed requirements to respective functional divisions after the conduct of the activity.

The **Facilitator** shall:

- lead the MOL;
- introduce the guests;
- lead the FGD;
- provide instructions and inputs during the workshop;
- facilitate the collection and presentation of outputs;
- give the synthesis;
- ensure maximum participation of the participants; and
- address all concerns of the day (i.e., health, food restrictions, accommodation, etc.).

The **Minute Taker** shall:

- document agreements, issues, concerns, and important activities, that happened during the workshop.

The **Participants** shall:

- participate actively during the activity;
- produce the needed outputs/ deliverables relative to the objective of the activity;
- submit all the target outputs on time; and
- be responsible and accountable on the outputs to be submitted.

The **Regional Learning Area Supervisors/Coordinators** shall:

- ensure the quality of the outputs/ deliverables to be submitted relative to the objective of the activity;
- facilitate the FGD among the participants in their respective learning area;
- provide directions on the quality of the refined supplementary materials;
- lead the learning area participants in the development and quality assurance of the target outputs/ deliverables.



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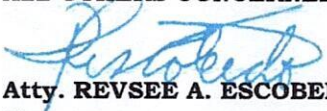


Republic of the Philippines
Department of Education

OFFICE OF THE UNDERSECRETARY

MEMORANDUM

TO : **ALL REGIONAL DIRECTORS**
MINISTER OF BASIC, HIGHER, AND TECHNICAL EDUCATION,
BARMM
ALL OTHERS CONCERNED

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

SUBJECT : **WORKSHOP FOR INTEGRATING ICT IN MATHEMATICS**
EDUCATION FOR SENIOR HIGH SCHOOL TEACHERS

DATE : November 29, 2021

This Office respectfully endorses the attached Memorandum from Dir. Margarita Consolacion C. Ballesteros, Director IV, International Cooperation Office (ICO), relative to her request for participation on the workshop for integrating ICT in Mathematics Education for Senior High School Teachers, which will be held from December 6-10, 2021.

SEAMEO Regional Center for QITEP in Mathematics (SEAQiM) is a regional institution under SEAMEO (Southeast Asian Ministers of Education Organization) and the Center under the Secretariat General of the Ministry of Education and Culture of the Republic of Indonesia. The main task of SEAQiM is to improve the quality of mathematics educators and education personnel within SEAMEO member countries (Brunei Darussalam, Philippines, Indonesia, Cambodia, Laos, Myanmar, Malaysia, Singapore, Thailand, Timor Leste, and Vietnam).

Currently, there are **45 slots for high school teachers** coming from the Philippines. The Center is requesting nominations, as soon as possible, **until December 1, 2021 (Wednesday)**.

In this regard, **we would like to request the Regional Directors to nominate three (3) Senior High School Mathematics teachers from their respective regions to join the workshop.** Nominations will be accommodated on a first come first serve basis. Aside from the three official participants, one (1) participant nominated for wait listing is also recommended so that another nominee can join should there be more slots available.

For further coordination on this matter, you may reach us via email through ico@deped.gov.ph and copy furnish hanna.cortes@deped.gov.ph.

For information and immediate compliance.

Thank you very much.

Copy furnished to: **MARGARITA CONSOLACION C. BALLESTEROS**
Director IV
International Cooperation Office

CB/21-0365/11292021

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



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Office of the Regional Director

December 3, 2021

Atty. REVSEE A. ESCOBEDO

Undersecretary

Field Operations, *Palarong Pambansa Secretariat*, and DEACO

Sir:

I have the honor to submit the official list of confirmed participants of Region IV-A CALABARZON to the **Workshop for Integrating ICT in Mathematics Education for Senior High School Teachers** which will be held from December 6-10, 2021.

Participants	School	Designation	Email address	Contact number
Jojiemar M. Obligar	Tanauan City Integrated High School	Master Teacher II	jojiemar01.obligar@ deped.gov.ph	0920373346 8
Joy M. Belmonte	Lopez National High Comprehensive High School	Master Teacher II	joy.belmonte@ deped.gov.ph	0995024011 2
Jollard S. Flores	Dayap National Integrated High School	Teacher III	jollard.flores@ deped.gov.ph	0945544769 2

Thank you!

Very truly yours,

FRANCIS CESAR B. BRINGAS
 Regional Director

clmd/mmn



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Office of the Director

3 December 2021

PROF. DR. IR. AISYAH ENDAH PALUPI, M.Pd.

Education and Culture Attache
Embassy of the Republic of Indonesia
185 Salcedo St., Legazpi Village
Makati City 1229

Dear **Ibu Palupi**:

This is with reference to the call for nomination for SEAQiM's regional workshop on Integrating ICT in Mathematics Education for Senior High School Teachers.

I am pleased submit to your good office the list of nominated teachers from the Department of Education for your kind consideration. The participants come from the difference regions in the Philippines.

On behalf of the Department, we would like to thank the Embassy for the kind facilitation and SEAQiM for providing another learning opportunity for our teachers.

Thank you very much and please accept my warm personal regards.

Truly yours,


MARGARITA CONSOLACION C. BALLESTEROS
Director IV

ICO-S-LC-524



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Nominated Teachers for the workshop for Integrating ICT in Mathematics Education for Senior High School Teachers
December 6-10, 2021

No.	Full Name	School	Region	Email Address
1	Manuel J. Verzosa	Motiong National High School	VIII	manuelversoza@deped.gov.ph
2	Ryan Joseph M. Salano	Leyte National High School	VIII	ryanjoseph.salano@deped.gov.ph
3	Niel Darryl G. Branzuela	Calbayog City National High School	VIII	nielarryl.branzuela@deped.gov.ph
4	Merbeth C. Cañez	Leyte National High School	VIII	merbeth.canezo@deped.gov.ph
5	Reynaldo C. Collado, Jr.	Highway Hills Integrated School	NCR	reynaldo.colladojr@deped.gov.ph
6	Angelique O. Llarena	Malinta National High School	NCR	angelique.llarena@deped.gov.ph
7	Veterbo Torrechilla	Muntinlupa Science High School	NCR	veterbo.torrechilla001@deped.gov.ph
8	Serafin Jay S. Basiya	Koronadal National Comprehensive High School	XII	serafinjay.basiya@deped.gov.ph
9	Ian Caesar E. Frondoza	Cabales-Enarbia Srs. Integrated School	XII	iancaesar.frondoza@deped.gov.ph
10	Ruel A. Cervantes	Lun Padidu National High School	XII	ruel.cervantes@deped.gov.ph
11	Rolyn P. Castro	Concepcion National High School	XII	rolyn.castro@deped.gov.ph
12	Justine P. Villasencio	Lagonglong Senior High	X	justine.villasencio@deped.gov.ph
13	Vanissa L. Bolingot	Malibud National High School	X	vanissa.bolingot1998@deped.gov.ph

Alonzo Building, DepEd Complex, Meralco Avenue, Pasig City
 Telephone No.: (02) 8637-6463 | Email Address: ico@deped.gov.ph



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14	Jun Mark O. Nob	Cogon National High School	X	junmarkey.nob@deped.gov.ph
15	James Rey G. Saludaes	Molugan National High School	X	jamesrey.saludaes@deped.gov.ph
16	Evelyn B. Ballenas	Cabadbaran City National High School	XIII	evelyn.ballenas@deped.gov.ph
17	John Benedict B. Entrada	Caraga Regional Science High School	XIII	johnbenedict.entrada@deped.gov.ph
18	Annabel C. Cubero	Madrid National High School	XIII	annabel.cubero@deped.gov.ph
19	Arnel B. Viernes	Gaddani National High School	CAR	arnel.viernes@deped.gov.ph
20	Charles Vincent L. Bumal-o	Benguet National High School	CAR	charlesvincent.bumalo@deped.gov.ph
21	Kathy M. Papcio	Baguio City National Science High School	CAR	kathy.papcio@deped.gov.ph
22	Dominic T. Payyac	Tabuk City National High School	CAR	dominic.payyac@deped.gov.ph
23	Elliezar M. Ribot	Magdiwang National High School	IVB	elliezar.ribot@deped.gov.ph
24	Herald Sen Seniel Mateo	Sabluyan National Comprehensive High School	IVB	heraldsen.mateo@deped.gov.ph
25	Jennifer B. Magango	Puerto Galera National High School	IVB	jennifer.magango@deped.gov.ph
26	Jeffrey C. Dela Paz	Mandaragat-San Miguel Senior High School	IVB	jeffrey.delapaz@deped.gov.ph
27	Jojiemar M. Obligar	Tanauan City Integrated High School	IVA	jojiemar01.obligar@deped.gov.ph
28	Rizza U. Veriña	Lopez National Comprehensive High School	IVA	joy.belmonte@deped.gov.ph
29	Jollard Flores	Dayap National Integrated High School	IVA	Jollard.flores@deped.gov.ph

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30	Jessie S. Bañes	Banate National High School	VI	jessie.banes@deped.gov.ph
31	Jayson F. Oso	Bagong Barrio National High School	VI	jayson.oso@deped.gov.ph
32	Roili Geluiz Baguios Navales	Hinigaran National High School	VI	roiligeluiz.navales@deped.gov.ph
33	Niel Pete Vincent D. Clores	Congressman Ramon A. Arnaldo High School	VI	nielpetevincen.clores@deped.gov.ph
34	Jamies V. Tubieron	Masbate National Comprehensive High School	V	jamies.tubieron@deped.gov.ph
35	Ramon F. Lasala	Mayon National High School	V	ramon.lasala@deped.gov.ph
36	Joellyn C. Apolinario	Moreno Integrated School	V	joellyn.apolinario@deped.gov.ph
37	Alvin Tanael Icaranom	Agban National High School	V	alvin.icaranom@deped.gov.ph
38	Raymund R. Molano	Pangasinan School of Arts and Trades	I	raymund.molano@deped.gov.ph
39	Jeffrey N. Olbinado	La Union National High School	I	jeffrey.olbinado@deped.gov.ph
40	Ronaldo V. Hermoso	Bacarra National Comprehensive National High School	I	ronald.hermoso@deped.gov.ph

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