



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



13 January 2022

Regional Memorandum

ADDENDUM TO REGIONAL MEMORANDUM NO. 13

To **Schools Division Superintendents**

1. Relative to Regional Memorandum No. 13, s. 2022, re: **Regional Workshop on Integrating ICT in Mathematics Education for Senior High School Teachers** on February 7 – 11, 2022, this Office, through the Curriculum and Learning Management Division (CLMD), informs the field that the workshop is via online platform Zoom.
2. This shall be participated by the select CLMD personnel and Senior High School Math Teachers. See Enclosure 1 for the list of participants.
3. The matrix of the workshop to be conducted is indicated in Enclosure 2 and the Terms of Reference is provided in Enclosure 3. Other details from the previous memorandum shall remain in effect.
4. Participants of this activity shall register to the link: <https://tinyurl.com/RWICTMATHEDSHS> on or before February 4, 2022 at 5:00 pm.
5. For clarifications and queries, contact the Chief of the Curriculum and Learning Management Division (CLMD), **JOB S. ZAPE JR.**, CLMD Chief and/or **MARVELINO M. NIEM**, Education Program Supervisor in Mathematics 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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Enclosure 1

LIST OF PARTICIPANTS

SDO's		Name (First M. Last Name)	SCHOOL
1 Batangas Province	1	Jeanne Marie L. Lago	Cuenca Senior High School
	2	Moises Israel C. Abel	Bauan Technical High School
	3	Gerlie E. Pasnos	Calaca Senior High School
2 Cavite Province	4	Jeffrey B. Santos	Naic Integrated National High School
	5	Richard F. Orpiano	Bulihan Integrated National High School
	6	Marc Reupert B. Ferma	Tagaytay City Science NHS-Integrated Senior HS
3 Laguna	7	Elymar A. Pascual	Talangan INHS
	8	Ronmyr G. Moratalla	Santa Maria Integrated High School
	9	Jason P. Vista	Gov. F.T. San Luis Integrated SHS
4 Rizal	10	Mary Ann Anitohin	Tanay-Sampaloc Integrated National High School
	11	Dianne L. Regalario	Tanay-Sampaloc Integrated National High School
	12	Richard A. Cepe	San Jose-Litex Senior High School
5 Quezon	13	Jerson Jolo	Bonifacio NHS
	14	Ana Lou R. Razo	Camflora NHS
	15	Geovanni S. Delos Reyes	Quezon NHS
	16	Anna Marie B. Alegria	San Isidro Integrated School
6 Antipolo City	17	Randy ES. Santiago	Dalig NHS
	18	Gina S. Catapang	San Isidro NHS
7 Bacoar City	19	Princess P. Dipasupil	SHS in San Nicholas III, Bacoar City
	20	Abigael M. Villanueva	SHS within Bacoar ES
8 Batangas City	21	Arnold De Mesa Diona	Alangilan Senior High School
	22	Joebert Cuasay Cepillo	Paharang Integrated School
9 Binan City	23	Joed C. Magnaye	Binan Integrated National High School
	24	Camille R. Gallardo	Binan Integrated National High School
10 Cabuyao City	25	Angelie Joyce G.-Parangalan	Pulo Senior High School
	26	Celia Concepcion O. Gregorio	Cabuyao Integrated National High School
11 Calamba City	27	Lorenzo S. Liwanag	Punta Integrated School
	28	Mary Rose P. Miranda	Integrated School of Lawa
12 Cavite City	29	Rosebel L. Balaga	Cavite National High School - SHS



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	30	Raquel P. Montefalcon	Sangley Point National High School - SHS
13 Dasmariñas City	31	Jayzel V. Alam	Dasmariñas Integrated High School-SHS
	32	Romualdo P. Quezada	Paliparan III Senior High School
14 Imus City	33	Mervin G. Araya	Gen. Pantaleon Garcia Senior High School
	34	Adrian U. Bugay	Gen. Juan Castaneda Senior High School
15 Lipa City	35	ALVIN L. MONTEALTO	Inosloban-Marauoy Integrated National High School
	36	GERARDO V. MISTA	Lipa City Science Integrated National High School
16 Lucena City	37	ANGELO S. VILLANUEVA	Mayao Parada Integrated High School
	38	ANN MICHELLE M. JOLO	Cotta National High School
17 San Pablo City	39	Nomer C. Manalo	San Pablo City Integrated High School
	40	Jenelyn A. Samsaman	Santisimo Rosario Integrated High School
18 San Pedro City	41	JorelleChrysanGasapos	SAN PEDRO RELOCATION CENTER NATIONAL HIGH SCHOOL LANDAYAN ANNEX
	42	Analisa Rosa P. Librada	San Pedro Relocation Center National High School Main Campus
19 Sta Rosa City	43	Joralie J. Mendoza	Santa Rosa Science and Technology High School
	44	Jojo M. Manalo	Labas Senior High School
20 Tanauan City	45	Don S. Avelino	Tanauan School of Fisheries
	46	Susan D. Ignacio	Pantay Integrated High School
21 Tayabas City	47	Joe Victoria B. Daelo	Luis Palad Integrated High School
	48	Joel N. Dela Cruz	Buenaventura Alandy National High School
22 General Trias City	49	Sanny E. Lopez Jr.	Luis Y. Ferrer Jr. Senior High School
	50	Kimberlyn A. Granzo	Santiago National Integrated School

Technical Working Group

Name	Position	Station
JOB S. ZAPE, JR	CLM Chief	Regional Office
Marvelino M. Niem	Education Program Supervisor	Regional Office
Jojiemar M. Obligar	Master Teacher II	Tanauan City Integrated High School - Tanauan City Division
Joy M. Belmonte	Master Teacher II	Lopez National Comprehensive High School – Quezon Province Division
Jollard S. Flores	Teacher III	Dayap National Integrated High



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		School – Laguna Province Division
Beth Lalunio	Master Teacher II	Recto Memorial National High School – Division of Quezon
Jay – R Catador	Master Teacher I	Kapayapaan Integrated School – Division of Calamba City
Sheila Marjie M. Obligar	Teacher II	Tanauan City Integrated High School – Division of Tanauan City
Philip Cesar Juan	Teacher III	Tanauan City Integrated High School – Division of Tanauan City



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Enclosure 2

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

DATE / TIME	Day 1 February 7, 2022	Day 2 February 8, 2022	Day 3 February 9, 2022	Day 4 February 10, 2022	Day 5 February 11, 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 Marvelino M. Niem	Integrating ICT in Mathematics Classroom	Designing Learning Media Using GEOGEBRA	Building Digital Activity with Application: DESMOS	Presentation of Outputs DESMOS / GEOGEBRA
9:30-9:45	Water Break	Water Break	Water Break	Water Break	Water Break
9:45-10:45	PRE-TEST	Building Manipulative Interactive Media with Application: GEOGEBRA	Presentation of Outputs GEOGEBRA	Designing Learning Media Using DESMOS	POST-TEST
10:45-11:45	Current Issues and Trends in Mathematics Education	Building Manipulative Interactive Media with Application: GEOGEBRA	Presentation of Outputs GEOGEBRA	Designing Learning Media Using DESMOS	Closing Ceremony
11:45-12:45	Lunch Break	Lunch Break	Lunch Break	Lunch Break	Lunch Break
12:45-1:00	Ice Breaker	Ice Breaker	Ice Breaker	Ice Breaker	
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	Presentation of Outputs DESMOS	
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	Building Digital Activity with Application: DESMOS	Presentation of Outputs DESMOS	
Minute Taker/s	Beth Lalunio JR Catador	Beth Lalunio JR Catador	Beth Lalunio JR Catador	Beth Lalunio JR Catador	Beth Lalunio JR Catador
Facilitator/s	JojieM. Obligar	Joy M. Belmonte/Jollards. Flores	JojieM. Obligar/Jollards. Flores	Jollards. Flores	JojieM. Obligar/Jollard S. Flores
Moderator	Joy M. Belmonte	JojieM. Obligar	Joy M. Belmonte	JojieM. Obligar	Joy M. Belmonte
Expected Outputs	Reflection/PRETEST Result	Google Classroom/Classwork Accomplishment	Presentation of Output/Per Group/Per Individual	Geogebra Applet/Desmos Activity	Evaluation/POSTTEST Result



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Terms of Reference

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

The **Focal Person** 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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