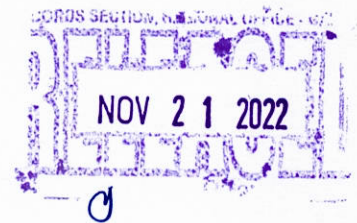




Republic of the Philippines
Department of Education
CARAGA REGION



November 21, 2022

REGIONAL MEMORANDUM
No. 1039, s. 2022

To: SCHOOLS DIVISION SUPERINTENDENTS
This Region

PARTICIPATION TO ONLINE NATIONAL TRAINING OF TEACHERS
ON DEEPENING CONCEPTUAL UNDERSTANDING OF CONTENT
USING KEY STRATEGIES IN TEACHING EARLY
GRADES MATHEMATICS

1. In response to DepEd Memorandum DM-CI-2022-391, the field is notified on the list of identified participants to the online **National Training of Teachers on Deepening Conceptual Understanding of Content Using Key Strategies in Teaching Early Grades Mathematics** which will be facilitated by the University of the Philippines National Institute of Science and Mathematics Education Development in collaboration with ABC+ on **November 28-29** and **December 1-3, 2022**.

2. The participants to this training are the Regional Early Language Literacy and Numeracy Coordinator and the following identified teacher-participants to wit:

Name	School	Division
Floriphine C. Suyman	Surigao City Pilot School	Surigao City
Verna Bendanillo Madlos	Osmena Elementary School	Siargao
Julious N. Obida	North Cabadbaran Central ES	Cabadbaran City

3. In preparation for the online training, pre-registration of participants is a must through this link <https://tinyurl.com/TeachingEarlyGradesMathematics>. Virtual meeting details and specific time will be shared to the concerned teacher's email address on or before November 26, 2022.

4. Recognizing the efforts and support of the teachers, the teachers are eligible to avail service credits commensurate to the number of hours/days of the training as scheduled, pursuant to DepEd Order No. 53, s. 2003 titled Updated Guidelines on Grant of Vacation Service Credits to Teachers.

5. For more queries and clarifications, please contact Curriculum and Learning Management Division (CLMD) through Maria Consuelo C. Jamera, ELLN Regional Focal through this email address mariaconsuelo.jamera@deped.gov.ph or contact this number 09120821145.



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6. Immediate dissemination of this Memorandum is highly desired.

 **MA. GEMMA MERCADO LEDESMA**
Regional Director 

Encl.: None

Reference: DM-CI-2022-391

To be indicated in the Perpetual Index
under the following subjects:

MATHEMATICS

TEACHERS

TRAINING

CLM/mcj
11/21/2022



Republic of the Philippines
Department of Education
BUREAU OF LEARNING DELIVERY

MEMORANDUM

DM-CI-2022-391

TO : REGIONAL DIRECTORS
MINISTER, Basic, Higher and Technical Education, BARMM
ALL OTHERS CONCERNED

FROM : ALMA RUBY C. TORIO
Assistant Secretary
Officer-in-Charge, Office of the Undersecretary
for Curriculum and Instruction

SUBJECT : CONDUCT OF THE ONLINE NATIONAL TRAINING OF
TEACHERS ON DEEPENING CONCEPTUAL UNDERSTANDING
OF CONTENT USING KEY STRATEGIES IN TEACHING EARLY
GRADES MATHEMATICS

DATE : October 21, 2022

The Department of Education (DepEd), through the Bureau of Learning Delivery (BLD), will conduct the *Online National Training of Teachers on Deepening Conceptual Understanding of Content Using Key Strategies in Teaching Early Grades Mathematics* on November 28-29 and December 1-3, 2022. The said activity will be facilitated by the University of the Philippines National Institute of Science and Mathematics Education Development in collaboration with ABC+.

To support teachers in teaching mathematics in the early grades, this training aims to deepen teachers' understanding of Key Instructional Strategies (KIS) to guide their pedagogical decisions. In particular, the activities of the training focus on deepening teachers' conceptual understanding of the foundational concepts in mathematics. The activities also aim to provide opportunities for teachers to enhance their teaching of early grades mathematics using KIS. The KIS include:

- giving importance to developmental progressions of learner's learning of mathematics;
- using models to focus learners' attention to critical aspects of the mathematical concepts and procedures under consideration during instruction;
- encouraging learners to explain and justify their thinking or their solutions to problems to deepen their understanding, develop their reasoning skills, and enable them to communicate mathematical ideas; and



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- creating connections between the mathematics that learners learn in school through instruction and the mathematics they learn through everyday experiences.

A total of 60 participants from 15 regions (excluding Region V and Region VI) will be trained simultaneously in two (2) groups. There will be four (4) participants per region to be composed of: one (1) Regional Early Language Literacy and Numeracy Coordinator and teachers in Grades 1-3 (one teacher per grade level where one is a master teacher). See Annex A for the expected number of participants and Annex B for the indicative training matrix.

In preparation for the online training, **pre-registration of participants** is a **must** through the following link <https://tinyurl.com/TeachingEarlyGradesMathematics> on or before November 15, 2022. The Zoom link for the training will then be sent to the registered DepEd email address of the participants on or before November 26, 2022.

For any questions and concerns, please contact **Mr. Xyphrone Angelo A. Ortiz**, Senior Education Program Specialist of BLD-Teaching and Learning Division through mobile number 09186422198, or through email at xyphroneangelo.ortiz@deped.gov.ph.

Immediate dissemination of this Memorandum is desired.



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Annex A:
EXPECTED NUMBER OF PARTICIPANTS

Region	Total Number of Pax
Region I	4
Region II	4
Region III	4
Region IV-CALABARZON	4
Region IV-MIMAROPA	4
CAR	4
NCR	4
Region VII	4
Region VIII	4
Region IX	4
Region X	4
Region XI	4
Region XII	4
CARAGA	4
BARMM	4
TOTAL	60



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Annex B: TRAINING MATRIX

**Online National Training of Trainers on Deepening Conceptual Understanding of Content
Using Key Strategies in Teaching Early Grades Mathematics**
November 28-29 & December 1-3, 2022
Via Zoom

GROUP A

Time	Day 1 Nov 28, 2022 (Mon) SYNCHRONOUS	Day 2 Nov 29, 2022 (Tue) SYNCHRONOUS	Day 3 Dec 1, 2022 (Thu) SYNCHRONOUS	Day 4 Dec 2, 2022 (Fri) ASYNCHRONOUS	Day 5 Dec 3, 2022 (Sat) SYNCHRONOUS
8:00 AM - 12:00 PM	Plenary (8:00 - 9:00 AM) Opening Program Overview of the Training (9:30 AM - 12:00 PM) Training Orientation Instructional Strategies for Mathematics in the Early Grades	Encouraging children to explain and justify (EJ) their thinking	Respecting developmental progression (DP1)	Lesson Planning Video recording of the implementation of the lesson plan (preferably with pupils)	Parallel: LP Implementation Group A1: LP 1* LP 2* LP 3 Group A2: LP 4* LP 5* LP 6 <i>*to implement LP</i>



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1:00 – 5:00 PM	Using mathematical models (MM) to represent abstract notions	Making explicit connections for children between formal and informal mathematics (IF)	Respecting developmental progression (DP2)	Parallel (1:00-3:00 PM) LP Implementation (continuation) Group A1: LP 1 LP 2 LP 3* Group A2: LP 4 LP 5 LP 6* <i>*to implement LP</i> Plenary (3:00-5:00 PM) Wrapping Up Closing Program
Output/ Requirement	Reflection Tool on MM	Reflection Tool on EJ and IF	Reflection Tool on DP	ASYNCHRONOUS Revised LP Posttest Training Evaluation

1/F Bonifacio Building, DepEd Complex, Meralco Avenue, Pasig City, Philippines

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GROUP B

Time	Day 1 Nov 28, 2022 (Mon) SYNCHRONOUS	Day 2 Nov 29, 2022 (Tue) SYNCHRONOUS	Day 3 Dec 1, 2022 (Thu) SYNCHRONOUS	Day 4 Dec 2, 2022 (Fri) ASYNCHRONOUS	Day 5 Dec 3, 2022 (Sat) SYNCHRONOUS
8:00 AM - 12:00 PM	Plenary (8:00 - 9:00 AM) Opening Program Overview of the Training (9:30 AM - 12:00 PM) Training Orientation Instructional Strategies for Mathematics in the Early Grades	Respecting developmental progression (DP1)	Encouraging children to explain and justify (EJ) their thinking	Lesson Planning Video recording of the implementation of the lesson plan (preferably with pupils)	Parallel: LP Implementation Group B1: LP 1* LP 2* LP 3 Group B2: LP 4* LP 5* LP 6 <i>*to implement LP</i>



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1:00 - 5:00 PM	Making explicit connections for children between formal and informal mathematics (IF)	Respecting developmental progression (DP2)	Using mathematical models (MM) to represent abstract notions	Parallel (1:00-3:00 PM) LP Implementation (continuation) Group B1: LP 1 LP 2 LP 3* Group B2: LP 4 LP 5 LP 6* <i>*to implement LP</i> Plenary (3:00-5:00 PM) Wrapping Up Closing Program
Output / Requirement	Reflection Tool on IF	Reflection Tool on DP	Reflection Tool on EJ and MM	ASYNCHRONOUS Revised LP Posttest Training Evaluation