



Republic of the Philippines
Department of Education
CARAGA REGION



November 8, 2021

REGIONAL MEMORANDUM
No. 877, s. 2021

To: SCHOOLS DIVISION SUPERINTENDENTS
This Region

REGIONAL TRAINING ON DESIGN THINKING IN K-3 SCIENCE AND
MATHEMATICS TEACHING

1. The Department of Science and Technology-Science Education Institute (DOST-SEI), in collaboration with the Department of Education Caraga Region and Caraga State University, will hold a **Regional Training on Design Thinking in K-3 Science and Mathematics Teaching** via Zoom on **November 22-24, 2021**. Log-in information shall be provided to participants at least one day before the training.
2. The training aims to provide participants the opportunity to go through the design thinking process while creating a product or solving a problem. At the end of the training, they are expected to apply design thinking to a variety of situations and adopt it as a way of thinking.
3. The training will be attended by sixty (60) K-3 Science and Mathematics teachers, five (5) from each Schools Division Office (SDO). SDOs through the Education Program Supervisors in Science and Mathematics shall identify the participants, preferably from the schools implementing the online delivery modality. To facilitate the completion of outputs during workshops, teacher-participants from the same school may be chosen.
4. The Official List of Participants must be submitted to the Regional Office by Wednesday, November 10, 2021, at caraga@deped.gov.ph, with the subject: Participants to the Regional Training on Design Thinking in K-3 Science and Mathematics Teaching_Name of SDO. A copy of the same document should be sent to the Regional Science Focal Person at kevinhope.salavana@deped.gov.ph and/or the Regional Math Focal Person at rhea.yparraguirre@deped.gov.ph. The template can be found in Enclosure 1.
5. Participants are required to prepare the following during the workshop:
 - Laptop
 - Internet connectivity
 - Soft copy of Science and Mathematics Curriculum Guide



Address: J.P. Rosales Avenue,
Butuan City
Trunkline No: (085) 342-8207
Telefax No: (085) 342-5969
Email: caraga@deped.gov.ph



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6. There will be NO REGISTRATION FEE charged to participants; however, allowable expenses related to participation in this training will be charged against local funds in accordance with standard government accounting and auditing rules and regulations.
7. The letter of invitation from DOST-SEI and the Program of Activities are found in the Enclosures.
8. Immediate and widest dissemination of this Memorandum to all concerned is highly desired.


MA. GEMMA MERCADO LEDESMA
Regional Director *in Bldg*

Encls.: Template for the Official List of Participants; Letter of Invitation from DOST-SEI; Program of Activities

Reference: Letter of Invitation from DOST-SEI

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

LEARNING AREA, SCIENCE AND MATHEMATICS
TEACHERS
TRAINING PROGRAM
WORKSHOPS

CLM/rjy
11/08/2021

Enclosure 1 to Regional Memorandum No. 817, s. 2021

REGIONAL TRAINING ON DESIGN THINKING IN K-3 SCIENCE AND
MATHEMATICS TEACHING
November 22-24, 2021 via Zoom

OFFICIAL LIST OF PARTICIPANTS

Schools Division Office: _____

No.	Name of Participants	School	No. of Year Teaching K-3 Science and Math
1.			
2.			
3.			
4.			
5.			

Prepared by:

Signature over Printed Name of
Division Science EPS

Signature over Printed Name of
Division Math EPS

Recommended for Approval:

Signature over Printed Name of CID Chief

Approved:

Signature over Printed Name of Schools Division
Superintendent

Enclosure 2 to Regional Memorandum No. ____, s. 2021



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

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November 8, 2021

DR. MA. GEMMA MERCADO LEDESMA
Regional Director
Department of Education - Caraga Region
J.P. Rosales Avenue, Butuan City

Dear Dr. Ledesma:

First, allow us to express our gratitude for your continued support to the Project Science Teacher Academy for the Regions (STAR) of the Science Education Institute, Department of Science and Technology.

We wish to inform you too that the Regional Training on "Design Thinking in K-3 Science and Mathematics Teaching" will be held on November 22-24, 2021 for science and math teachers of CARAGA via online platform. This training aims to provide teacher-participants the opportunity to experience the design thinking process in designing a product or for solving a problem. At the end of the training, participants are expected to apply the design thinking to a variety of situations and adopt it as way of thinking.

In this connection, we would like to request the participation of our STAR Trainors, **Ms. Rhea Yparraguirre** and **Mr. Kevin Hope Salvana**, Education Program Supervisors for Science and Mathematics and **Mr. Bernabe Linog**, Chief, Education Support Services Division to serve as resource persons/facilitators of the training. Likewise, we would like to ask their assistance in identifying names of sixty (60) Key Stage 1 science and mathematics teachers who will attend the online training.

Finally, we would greatly appreciate if you could deliver a Message at the Closing Program of the said training on November 24, 2021 at 3:00 PM via Zoom with log-in details:

Meeting ID: 837 4620 9512
Passcode: star

Our SEI technical staff, Mr. Love Joy M. Pascua, shall coordinate with your office regarding these requests. For queries, he may be contacted at e-mail address sei.pdu@gmail.com or at mobile number 0912-340-9026.

We look forward to your positive response on our requests.

Thank you.

Very truly yours,


JOSETTE T. BIYO, Ph.D.
Director

1st and 2nd Levels, Science Heritage Building
DOST Compound, General Santos Avenue
Bicutan, Taguig City, Philippines, 1631
URL: <http://www.sei.dost.gov.ph>

Direct Lines: (632) 837-1359, 839-0081, 837-1333
839-0083, 839-0085, 839-0082, 839-0084
Trunk Lines: (632) 837-2071 to 82 local 2380-2389
Telefax: (632) 839-0086, 837-1924, 839-0241, 837-0749
837-0056, 837-0057, 837-1925, 837-1926

Enclosure 3 to Regional Memorandum No. 877, s. 2021

REGIONAL TRAINING ON DESIGN THINKING IN K-3 SCIENCE AND
MATHEMATICS TEACHING
Caraga
November 22-24, 2021 via Zoom

PROGRAM OF ACTIVITIES

TIME SCHEDULE	ACTIVITY	PERSONS INVOLVED / RESOURCE SPEAKER
BEFORE THE TRAINING <i>(Asynchronous Sessions)</i>	Basic Education and Laying the Foundations for Lifelong Learners	Mr. Bernabe L. Linog, ESSD OIC-Chief DepEd Caraga
	Teaching and Learning in K-3	Ms. Rhea J. Yparraguirre EPS, CLMD DepEd Caraga
	21 st Century Learners: Understanding Generational Differences and Learning Needs	Mr. Bernabe L. Linog, ESSD OIC-Chief
	<i>*these topics are pre-recorded</i>	
DAY 1		
8:00-8:30	Registration	DOST-SEI
8:30-9:00	Opening Program Prayer National Anthem Welcome Remarks CSU President Message SEI Director STAR AVP Statement of Objectives House Rules	DOST-SEI Dr. Anthony M Penaso
9:00-9:30	Health Break	

TIME SCHEDULE	ACTIVITY	PERSONS INVOLVED/ RESOURCE SPEAKER
9:30-10:00	Assessment (Pre-test)	Prof. Christina Loquere & Dr. Adam Roy Galolo
10:00-11:30	Design Thinking	Mr. Bernabe L. Linog, ESSD OIC-Chief
	Design Thinking in the Classroom	
11:30-12:00	Open Forum	c/o MC Day1
12:00-1:00	Lunch	
1:00-1:30	Lecture: Empathize	Dr. Adam Roy Galolo
1:30-2:30	Workshop 1: Empathize	Facilitators
2:30-4:00	Plenary Group Presentation and Open Forum	Dr. Adam Roy Galolo
DAY 2		
8:00-8:30	Reflections of Day 1	Participant
8:30-9:00	Lecture: Define	Dr. Esamel M Paluga
9:00-10:00	Workshop 2: Define	Facilitators
10:00-10:30	Health Break	
10:30-11:30	Plenary Group Presentation and Open Forum	Dr. Esamel M Paluga
11:30-12:00	Lecture: Ideate	Dr. Jonathan Manigo
12:00-1:00	Lunch	
1:00-2:00	Workshop 3: Ideate	Facilitators
2:00-3:00	Plenary Group Presentation and Open Forum	Dr. Jonathan Manigo
3:00-3:30	Lecture: Prototype	Dr. Rolando N. Paluga
3:30-5:00	Workshop 4: Prototype	Facilitators
DAY 3		
8:00-8:30	Reflections of Day 2	Participant
8:30-10:00	Plenary Group Presentation and Open Forum	Dr. Rolando N Paluga
10:00-10:30	Lecture: Test	Prof. Erwin Arlan
10:30-12:00	Workshop 5: Test	Facilitators

TIME SCHEDULE	ACTIVITY	PERSONS INVOLVED / RESOURCE SPEAKER
1:00-1:30	Project/Problem-based Learning Activities Makerspaces	Ms. Rhea J. Yparraguirre EPS, CLMD DepEd Caraga
1:30-1:45	Post-Assessment	Prof. Christina Loquere & Dr. Adam Roy Galolo
1:45-2:30	Action Planning and Evaluation (<i>Output: Action Plan by division</i>)	Participants
2:30-3:30	Closing Ceremonies Prayer Nationalistic Song Insights Message DepEd CARAGA Regional Director Awarding of Certificates Group Photo	DOST-SEI

Masters of Ceremony:

Day 1 - Prof. Erwin Arlan
Day 2 – Prof. Christina Loquere
Day 3 – Dr. Adam Roy Galolo

Technical Head:

Prof. Christina Loquere
(Zoom technicalities, certificates, Google forms)

Facilitators:

Break out Room 1: Christina Loquere
Break out Room 2: Adam Roy Galolo
Break out Room 3: Jonathan Manigo
Break out Room 4: Esamel M Paluga
Break out Room 5: Rolando N Paluga
Break out Room 6 : Erwin Arlan