



Republic of the Philippines
Department of Education
REGION VII – CENTRAL VISAYAS
SCHOOLS DIVISION OF NEGROS ORIENTAL

Office of the Schools Division
Superintendent

MEMORANDUM
MLA-2022- 468

TO : **MRS. FLORENTINA P. PASAJINGUE, MT- 2**
NOHS

MRS. MERCY G. DAGOY, MT- 2
Amlan Central School
Amlan District

MS. MARY JOYCEN A. ALAM-ALAM, T- 3
Dauin Science High School
Dauin District

Through: MRS. EPEFANIA Q. CUEVAS, P- 2
NOHS, District In-Charge

MRS. CHARMAINEB. JAINAR, PSDS
Amlan District

DR. JOVENCIANA DAVAD, PSDS
Dauin District

FROM : *M. Paulin*
SENEN PRISCILLO P. PAULIN, CESO V
Schools Division Superintendent
Office of the Schools Division Superintendent

SUBJECT : *9/19/22*
**DISSEMINATION OF RM NO. 0710, S. 2022 "TRAINERS'
TRAINING ON SCIENCE INVESTIGATORY PROJECT
PHASE 2"**

DATE : **September 16, 2022**

1. This Office disseminates the Regional Memorandum No. 0710, s. 2022, titled Trainers' Training on Science Investigatory Project – Phase 2: Problem Scope; Methodologies and Special Topics on October 5-7, 2022 through online platform.
2. Please see attached Regional Memorandum.
3. Immediate dissemination and compliance with this Memorandum is desired.

SPP/JMA/MKP/NLR/CID/NLR/arj
September 16, 2022

19 SEP 2022



Address: Kagawasan Avenue, Capitol Area, Daro, Dumaguete City
Telephone Nos.: (035)225-2838 / 225-2376 / 422-7644
Email Address: negros.oriental@deped.gov.ph



Republic of the Philippines
Department of Education
REGION VII – CENTRAL VISAYAS

Office of the Regional Director

AUG 16 2022


REGIONAL MEMORANDUM

No. 0710, s. 2022

TRAINERS' TRAINING ON SCIENCE INVESTIGATORY PROJECT – PHASE 2

To: Schools Division Superintendents

1. Relative to the efforts of the Department of Education Regional Office VII to capacitate teachers in mentoring science investigatory projects, this Office, through the Curriculum and Learning Management Division (CLMD), will conduct a Trainers' Training on Science Investigatory Project – Phase 2: Problem Scope; Methodologies and Special Topics on October 5-7, 2022 through online platform.
2. The activity aims to:
 - a. re-orient the SIP mentors on the essentials of the Science Investigatory Project aligned with the format of the National Science and Technology Fair;
 - b. up-skill the SIP mentors in the writing of the Scope, Review of Related Literature and Methodology;
 - c. orient the SIP mentors on the special topics: Plant and Animal Tissue Extractions; Internet of Things; Mobile Interface and Machine Learning;
 - d. orient the SIP mentors on varied Methodologies/Designs in Life and Physical Sciences;
3. There are 4 participants per SDO: 1 Education Program Supervisor/Coordinator in Science; 1 SHS SIP Mentor; 1 JHS SIP Mentor; and 1 Elementary SIP Mentor who are consistently joining and winning in the science fair in the district, division, regional and national levels.
4. Honoraria of the resource speakers are chargeable against the Regional fund subject to the usual government accounting and auditing rules and regulations.
5. The following Enclosures are attached for reference:
 - 5.1 Enclosure 1 – List of Participants
 - 5.2 Enclosure 2 – Program Matrix
6. For inquiries, kindly contact Dr. Bryant C. Acar, R7 EPS Science at bryant.acar@deped.gov.ph.
7. Immediate dissemination of and compliance with this Memorandum is directed.


SALUSTIANO T. JIMENEZ EdD, JD, CESO V
Director IV
Regional Director

STJ/CAE/MJCD/bca



Address: Doña M. Gaisano St., Sudlon, Lahug, Cebu City
Telephone Nos.: (032) 231:1433; (032) 414-7399
Email Address: region7@deped.gov.ph

Enclosure 1

LIST OF ONLINE PARTICIPANTS
Trainers' Training on Science Investigatory Project - Phase 2: Problem Scope; Methodologies and Special Topics
October 5-7, 2022 via Online platform.

Division	EPS Participant	SHS Participant	JHS Participant	Elementary Participant
Bais City	Salvacion A. Adana	Jonna Fe Marie Sumiguit	Merry Gen P. Saycon	Maria Danica C. De Villa
Bayawan City	Adonis S. Rivera	Rocelle V. Leron	Marisol M. Masayon	Michelle Q. Fernandez
Bohol	GENEROSA T. CASTILLO	STELLA G. BAJA	Josefina Maramba	ETHELINDA S. LAGUITAO
Canlaon City	Lester C. Pabalinas	MARY CARMEL J. GAGA-A	ARGELYN A. MAHUMOT	PERLITA P. TAPIA
Carcar City	MERIAM T. ABADILLA	Jireh Jhune Anga	Farrah Madrio	Charito Sobrevilla
Cebu City	Raylene S. Manawatao	Jane P. Canoy	Mary Ann D. Bacalso	Analyn B. Uy
Cebu Province	JUVIMAR E. MONTOLO	Alexandra R. De Guzman	Ivy M. Lapuerta	Maria Fatima S. Casquejo
City of Bogo	Charmaine Vera A. Ramos	Joane S. Cauagdan	Krizzah Mae S. Dura	Ritchelle C. Arcillas
City of Naga	Carmencita B. Lopez	Adelaine Alicante	John Ryan Dacalos	Michel Bacon
Danao City	Marlyn V. Canales	Roceanne Lyca T. Dayday	Lilet T. Matiga	Eva D. Fernandez
Dumaguete City	ANTONIETA P. VENDIOLA	Ryan Nove C. Huang	Antonia P. Dullin	Suzette M. Caluyo
Guihulngan City	JOSE F. BELONO, JR.	April Mary E. Porlares	Marichu M. Nueva	Adeline M. Talisayan
Lapu-Lapu City	JENNIFER S. MIRASOL	KRISTINE P. SUMALINOG	ROSELINE ATUEL	MARILOU ESTORBA

Mandaue City Division	Rufino T. Tudlasan Jr.	Dizza Ann S. Prieto	Marie Astred T. Gitgano	Ginno Val P. Dosdos
Negros Oriental	Arnold R. Jungco	Mary Joycen A. Alam- Alam	Florentina P. Pasajingue	Mercy G. Dagoy
Siquijor	Nicarter Baroy Lomocso	Ronie B. Mabayambang	Albert C. Umbac	Fel M. Gervacio CHERRY MICHELLE F. COLLYER
Tagbilaran City	Nenita J. Incog	ANAMIE T. GALVES	RESA NINA A. JACOB	Filipinas Barios
Talisay City	Edith B. Cahilap	Adelsa O. Plarisan	Genalyn Canoy	Grace C. Torres
Tanjay City	Elsie T. Seneris	Catalino B.Dael III	Suzy Jame S.Simbajon	Arlene A. Abella
Toledo City	Geraldo D. Laña	Deborah F. Manabat	Felix E. Uriarte III	

Prepared by:

DR. BRYANT C. ACAR
EPS Science

Noted by:

DR. MARIA JESUSA C. DESPOJO
CLMD Chief

TRAINING MATRIX

**Trainers' Training on Science Investigatory Project- Phase 2:
Problem Scope; Methodologies and Special Topics
October 5-7, 2022 via Online platform.**

Training Objectives: At the end of the three-day lecture and video-demo sessions, the participants will be:

- A. re-oriented with essentials on Science Investigatory Project aligned with the format of the National Science and Technology Fair;
- B. up-skilled in the writing of Scope, Review of Related Literature and Methodology;
- C. oriented on the special topics: Plant and Animal Tissue Extractions; Internet of Things; Mobile Interface and Machine Learning;
- D. oriented in varied Methodologies/Designs in Life and Physical Sciences;
- E. able to submit a research write-up on the chosen type of Investigatory Project; and
- F. able to submit a Roll-Out Plan for the Division Training.

Training Duration: 3 Days
Date: October 5-7, 2022
Platform: Virtual Platform

TRAINING MATRIX

Day	Time	Activity
1	7:30-8:00 am	Registration Through Google Form
	8:00-8:30 am	I. Preliminaries: Morning Prayer - AVP National Anthem - AVP Acknowledgment of Participants; Welcome Remarks and Rationale - Dr. Bryant C. Acar , RO7 EPS Science Inspirational Message Dr. Maria Jesusa C. Despojo , RO7 CLMD Chief
	8:30-11:30 am	Walk Through of the Program Matrix Speaker: Dr. Bryant C. Acar RO7- EPS Science Topic 1: Students' Research During the Pandemic Topic 2: Research Agenda in NSTF/ISEF Speaker: Dr. Bryant C. Acar RO7-EPS Science
	11:30-12:00 noon	Open Forum - Facilitated by Mr. Lester Pabalinas SDO Science Coor - Canlaon City
	12:01-1:00 pm	Lunch Break
	1:01-1:15 pm	Energizer and Learning Highlights - Facilitated by Dr. Nicarter B. Lomocso EPS Science - Siquijor

	1:16-4:00 pm	<p>Topic 3: The Review of Related Literature Speaker: Dr. Bryant C. Acar RO7- EPS Science Open Forum – Facilitated by Dr. Carmencita B. Lopez EPS Science – City of Naga</p> <p>Topic 4: Tools/Rubrics/Guides Speaker: Dr. Bryant C. Acar RO7- EPS Science Open Forum – Facilitated by Dr. Antonieta P. Vendiola EPS Science – Dumaguete City</p> <p>Output for Submission: Research Topic, Rationale, Objectives and RRL (to be submitted via Google Drive) 1 per Division</p>
2	7:30-8:00 am	Registration through Google Form
	8:00-8:30 am	Preliminaries and Highlights of Learning Facilitated by Dr. Charmaine Vera A. Ramos EPS Science – City of Bogo Instruction for the Break-Out Session – Dr. Bryant C. Acar
	8:30-5:00 PM	<p>Room 1: Life Science Room</p> <p>Room Moderator & Introduction of the Speaker by Dr. Raylene S. Manawatao EPS Science – Cebu City</p> <p>Speaker : Dr. Jay P. Picardal Director, Research Institute of Tropical Biology and Pharmacological Biotechnology, Cebu Normal University</p> <p>AM Topics: 1. Choosing a Life Science topic for Research 2. Procedures in LS Experiments: In Vitro and In Vivo</p> <p>AM Open Forum – Facilitated by Mr. Geraldo D. Lana SDO Science Coor – Toledo City</p> <p>PM Energizer and Learning Highlights: Dr. Marilyn V. Canales EPS Science – Danao City</p> <p>PM Topics: 3 Writing the Objectives for an LS Topic 4. Writing the Methods</p> <p>PM Open Forum – Facilitated by Dr. Adonis Rivera EPS Science – Bayawan City</p> <p>Giving of Certificate to the Speaker: Moderator</p> <p>Output for Submission: Write-up on Methodology of the chosen topic to be submitted in the GoogleDrive (1 output per SDO)</p>
8:30-5:00 PM	Room 2: Physical Science Room	

		<p>Room Moderator & Introduction of the Speaker by Dr. Juvimar E. Montolo EPS Science – Cebu Province</p> <p>Speaker : Mr. Alexphil O. Ponce Lecturer, College of Biology and Genetics Center for International Education – British School</p> <p>AM Topics: 1. Choosing a Physical Science topic for Research 2. Test Procedures and Methods in PS Experiments:</p> <p>AM Open Forum – Facilitated by Maam Elsie T. Seneris EPS Science – Tanjay City</p> <p>PM Energizer and Learning Highlights: Maam Salvacion Adana EPS Science – Bais City</p> <p>PM Topics: 3. Writing the Objectives for a PS Topic 4. Writing the Methods</p> <p>PM Open Forum – Facilitated by Dr. Rufino T. Tudlasan Jr. EPS Science – Mandaue City</p> <p>Giving of Certificate to the Speaker: Moderator</p> <p>Output for Submission: Write-up on Methodology of the chosen topic to be submitted in the GoogleDrive (1 Output per SDO)</p>
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3	7:30-8:00 am	Registration through Google Form
	8:00-8:30 am	Preliminaries and Highlights of Learning Facilitated by Arnold R. Jungco EPS Science- Negros Oriental
	8:30-12:00 PM	<p>Instruction for the Break-Out Session – Dr. Bryant C. Acar</p> <p>Room 1: Physical Science Room</p> <p>Room Moderator & Introduction of the Speaker by Mr. Jose F. Belono Jr. EPS Science – Guihulngan City</p> <p>Speaker : MR. SEAGAL ASJALI Chairman Division of Biochemistry and Pharmacological Biotechnology, Cebu Normal University</p> <p>Special Topics: 1. Plant and Animal Tissue Extractions 2. Molecular Docking and Phytochemical Analysis</p> <p>AM Open Forum – Facilitated by Maam Jennifer S. Mirasol EPS Science – Lapu-Lapu City</p> <p>Giving of Certificate to the Speaker: Moderator</p>

8:30-12:00 PM	<p>Room 2: Robotics Room</p> <p>Room Moderator & Introduction of the Speaker by Maam Meriam Abadilla EPS Science – Carcar City</p> <p>Speaker : MR. ARLAN VINCENT GERMAN Data Specialist. ShopMe – Amsterdam Netherlands Special Topics: 1. IoT, SMS Messaging Function, Mobile Interface 2. Machine Learning and the Project METUS</p> <p>AM Open Forum – Facilitated by Maam Edith B. Cahilap EPS Science – Talisay City</p> <p>Giving of Certificate to the Speaker: Moderator</p>
12:01-1:00	Lunch Break
1:00-3:00 pm	<p>Continuation of the Output submission through Google Drive (Teacher participants)</p> <p>Writing of the Roll-Out Plan (EPS/Coordinators- Science)</p>
3:00-3:30 pm	<p>Closing Program - Impression: Maam Edith B. Cahilap, EPS Sci. Talisay City Maam Generosa T. Castillo, EPS Sci. Bohol 1 Teacher Participant in HS 1 Teacher Participant in Elem</p> <p>Plan for Continuous Improvement – Dr. Bryant C. Acar RO7 EPS-Science</p> <p>Challenge Call – Dr. Maria Jesusa C. Despojo RO7 CLMD Chief</p> <p><i>Reminders: Certificate of Participation will be provided once the Attendance and Output are validated (one week time)</i></p>

Technical Working Group:

Consultants: **Dr. Salustiano T. Jimenez**, RD
Dr. Cristito A. Eco, ARD
Dr. Maria Jesusa C. Despojo, RO7 CLMD Chief

Manager: **Dr. Bryant C. Acar**, RO7 EPS Science
EPS of the 19 SDOs

Certificates: Rey B. Pono (Admin Assistant)
Mike John L. Saberón (Admin Support Staff)

Prepared by:

DR. BRYANT C. ACAR
EPS Science

Noted by:

DR. MARIA JESUSA C. DESPOJO
CLMD Chief