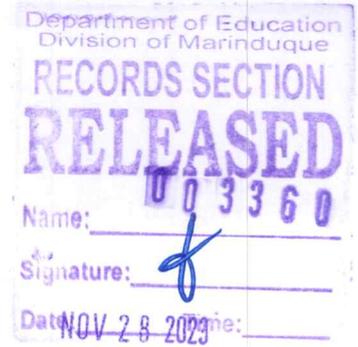




Republic of the Philippines  
**Department of Education**  
MIMAROPA REGION  
SCHOOLS DIVISION OF MARINDUQUE



Office of the Schools Division Superintendent

November 28, 2023

**DIVISION MEMORANDUM**

No. 73, s. 2023

**DIVISION CLINIQUING OF SCIENCE RESEARCH PROJECTS**

To: Chief Education Supervisors  
Public Schools District Supervisors  
Concerned Secondary School Heads  
All Others Concerned

1. In preparation for the Regional Science and Technology Fair in which submission of write-ups is scheduled on December 1, 2023 and the online competition on December 5-6, 2023, the Schools Division of Marinduque through the Curriculum Implementation Division (CID) will conduct a **"Division Cliniquing of Science Research Projects"** on November 29-30, 2023 at the Marinduque NHS Library, Boac, Marinduque.

2. The activity aims to:  
a) check the availability of the required International Science & Engineering Fair (ISEF) Forms;  
b) check the compliance of the research projects with the ISEF 2024 guidelines;  
c) submit write-ups on the scheduled date;  
d) improve the presentation skills of the researchers; and  
e) orient all coaches and participants on the use of virtual platforms in the defense of the research projects at the regional level.

3. Participants are requested to bring with them laptops, extension cords, write-ups, slide decks of the research study, and their own food provisions for the two-day activity and be at the venue as early as 7:30 in the morning.

4. All coaches together with the Lead Panelists will serve as the panel in the defense of every research project. They are required to prepare a Catch-up plan (duly signed by the school head and copy furnish the Public Schools District Supervisor) for classes affected by this activity.

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5. The List of Participants and their Research Projects, Activity Matrix, Members of the Lead Panelists and Catch-up Plan format are provided as enclosures.
6. Immediate dissemination of this Memorandum is desired.



**LYNN G. MENDOZA, EdD**  
OIC – Schools Division Superintendent

Encls.: As stated

Reference: None

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

EVALUATION  
LEARNERS  
LEARNING AREA, SCIENCE  
SELECTION  
TEACHERS

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Enclosure No. 1 to Division Memorandum No. 73, s. 2023

**LIST OF PARTICIPANTS IN THE CLINIQUING OF SCIENCE  
RESEARCH PROJECTS**

**LIFE SCIENCE-INDIVIDUAL CATEGORY**

<b>TITLE</b>	<b>PROPONENTS</b>	<b>ADVISER</b>	<b>SCHOOL</b>	<b>DISTRICT</b>
Aquatic Impact Assessment of Heavy Metals in Fish at Boac River, Marinduque: Two Decades After the Mining Disaster	Angelique Josh B. Mandia	Christine J. Naling	Marinduque NHS	Boac North

**LIFE SCIENCE-TEAM CATEGORY**

<b>TITLE</b>	<b>PROPONENTS</b>	<b>ADVISER</b>	<b>SCHOOL</b>	<b>DISTRICT</b>
Effectiveness of Fermented Fertilizer Made Out of Carabao Grass ( <i>Paspalum Conjugatum</i> ) Leaves And Malunggay ( <i>Moringa Oleifera</i> ) Stem And Leaves on the Growth Rate of Mung Beans ( <i>Vigna Radiata</i> )	Terence H. Olivar  Draven Gomer M. Jambalos  Kian Christopher L. Carig	Chritine J. Naling	Marinduque NHS	Boac North

**PHYSICAL SCIENCE-INDIVIDUAL CATEGORY**

<b>TITLE</b>	<b>PROPONENT</b>	<b>ADVISER</b>	<b>SCHOOL</b>	<b>DISTRICT</b>
BL-FINE: A Potential Supplementary Cementitious Material and Aggregate for Sustainable Cement-Based Construction Materials	Andrei Jherome O. Parreno	Paolo Andrew Pantoja	Landy NHS	Santa Cruz North

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**PHYSICAL SCIENCE- TEAM CATEGORY**

TITLE	PROPOSERS	ADVISER	SCHOOL	DISTRICT
The Feasibility of Saba Banana ( <i>Musa Acuminata X Balbasiana</i> ) Pseudostem as an Alternative Mailer for Packaging	John Mico S. Nazareno Leighnard Christian P. Principe Gierome L. Monleon	Fristian Anthony Dormido	Marinduque NHS	Boac North

**ROBOTICS INTELLIGENT MACHINE -CATEGORY**

TITLE	PROPOSER	ADVISER	SCHOOL	DISTRICT
Arduino-Based Watering System with Multipurpose Humidification and Soil Moisture Level Monitoring for Household Plants	Cydel Neth Q. Lingon	Fristian Anthony L. Dormido	Marinduque NHS	Boac North

**ROBOTICS INTELLIGENT MACHINE -TEAM CATEGORY**

TITLE	PROPOSERS	ADVISER	SCHOOL	DISTRICT
TIC-TOK FEEDER: A Study of Time – Controlled Automatic Feeding System for Commercial Poultry	Mark Nathaniel P. Penaranda Mark Levi A. Roldan Roven M. Piguerra	Emalyn R. Rodil Maily M. Go	Landy NHS	Santa Cruz North

**SCIENCE INNOVATION EXPO - INDIVIDUAL CATEGORY**

TITLE	PROPOSER	ADVISER	SCHOOL	DISTRICT
Essential Oil ( <i>Oreganum Vulgare</i> : <i>Oregano</i> , <i>Laurusnobilis</i> ; Bay Leaves and <i>Cymbopogon Nardus</i> ; Citrunella) Lamp as an Alternative for D-Allethrin Coil Mosquito Repellents	Lovely Joy Faith Vitto	Gueller Dee V. Salazar	Bangbang NHS	Gasán

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## SCIENCE INNOVATION EXPO - TEAM CATEGORY

TITLE	PROponents	ADvisER	SCHOOL	DISTRICT
Arduino – Powered Earthquake Detection and Warning Device with Sound Alarm	Nimrod li A. Ordillano  Kenrich T. Villanueva  Michael Levie M. Alilio	Riena I Rodriguez	Marinduque NHS	Boac North

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**ACTIVITY MATRIX**

<b>Time</b>	<b>DAY 1</b>	<b>TIME</b>	<b>DAY 2</b>
8:00-8:00 AM	Registration	8:00-8:30	Registration
8:30-9:00 AM	Opening Program	8:30-9:30 AM	Orientation on the Preparation for the Online Competition
9:00-10:00 AM	Presentation of Research Projects (Panelists and Researchers) Life Science	9:30-10:30 AM	Improvement of the Presentation
10:00-11:00 AM	Applied Science	10:30-12:00 Noon	MOCK Presentation (5 mins presentation and 10 mins Q & A Coaches and Researchers)
11:00-12:00 Noon	Robotics and Intelligent Machine	1:00-3:00 PM	Final Checking of the Manuscripts for submission
1:00-2:00 PM	Science Innovation	3:00-3:30 PM	Submission of the Soft Copies of Write-ups
2:00-4:00 PM	Improvement in the Write-Ups Checking of the Required Forms (Coaches & Researchers)	3:30-4:00 PM	Closing Program

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Enclosure No. 3 to the Division Memorandum No. 73, s. 2023

**LIST OF THE LEAD PANELISTS FOR THE DIFFERENT  
RESEARCH CATEGORIES**

***Life Science***

1. Fristian Anthony L. Domido
2. Paolo Andrew Pantoja
3. Emalyn R. Rodil

***Applied Science***

1. Mailyn M. Go
2. Gueller Dee V. Salazar
3. Riena I. Rodriguez

***Robotics and Intelligent Machine***

1. Christine J. Naling
2. Rowena M. Mendoza
3. Marilou L. Francisco

***Science Innovation Expo***

1. Maricel O. Solas
2. Jefferson Mameng
3. Jing-Jing Mendoza

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Enclosure No. 4 to the Division Memorandum No. 73, s. 2023  
**Catch-up Plan Format**

**Catch-up Plan**  
(Subject and Grade Level)

Identified Learning Competency	Action to be taken	Person-In-Charge	Target Date of Completion

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