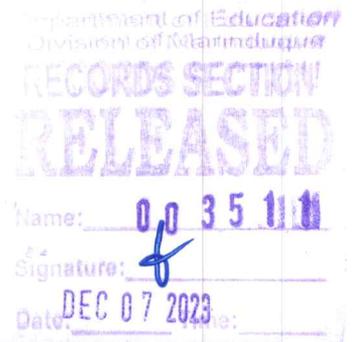




Republic of the Philippines  
**Department of Education**  
MIMAROPA REGION  
SCHOOLS DIVISION OF MARINDUQUE



Office of the Schools Division Superintendent

December 5, 2023

**DIVISION MEMORANDUM**

No. **79** s. 2023

**RESULTS OF DIVISION SCIENCE & TECHNOLOGY FAIR (DSTF)  
FOR SY 2023-2024**

To: Assistant Schools Division Superintendent  
Chief Education Supervisors  
Public Schools District Supervisors  
Public & Private Secondary School Heads  
All Others Concerned

1. This Division announces the Official Results of the **Division Science & Technology Fair for SY 2023-2024** held at Matuyatuya National High School, Torrijos, Marinduque on November 16, 2023.
2. The List of Division Winners is found in the attached enclosure.
3. Profound gratitude is conveyed to Mrs. Maridel G. Lincallo, the host Public Schools District Supervisor, Mrs. Elizabeth R. Paralejas, School Principal and Teachers of Matuyatuya NHS, Torrijos District for the successful hosting of the **Division Science & Technology Fair**.
4. Appreciation is also extended to all the members of the Board of Judges secondary school heads and teachers in the Division for their participation and support to the activity:
5. This Office also extends heartfelt congratulations to all the winners in the Division Science and Technology Fair.
6. Widest dissemination of the contents of this Memorandum is desired.

  
**LYNN G. MENDOZA, EdD**

OIC, Schools Division Superintendent 

Encls: As stated

Reference: Division Memorandum No. 70, s. 2023

To be indicated in the Division Perpetual Index

Under the following subjects

CONTESTS  
LEARNERS

LEARNING AREA, SCIENCE  
TEACHERS

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Enclosure No. 1 to Division Memorandum No. **79** s. 2023

<b>LIFE SCIENCE-INDIVIDUAL CAGEGORY</b>					
Rank	Title	Proponents	Adviser	School	District
1	Aquatic Impact Assessment of Heavy Metals in Fish at Boac River, Marinduque: Two Decades After the Mining Disaster	Angelique Josh B. Mandia	Chistine J. Naling	Marinduque NHS	Boac North
2	Antifungal Effects of Garlic ( <i>Allium Sativum</i> ) Peel Extract Againts Postharvest ( <i>Colletotrichum Musae</i> ) Didease in Saba Bananas	Jade R. Revilloza	Rachelle Pernia	Makapuyat NHS	Sta. Cruz North
3	Taro ( <i>Colocasia Esculenta</i> ) Banana ( <i>Musa Cardaba</i> ) and Papaya ( <i>Carica Papaya</i> ) Leaves Extract as a Biological Attraction For Golden Apple Snail ( <i>Pomocea Canaliculata</i> )	Jade R. Revilloza	Rachelle Pernia	Makapuyat NHS	Sta. Cruz East
4	Microbiological Analysis of Nami ( <i>Dioscorea Hispida</i> ) Roots Flour	Macy Elliane M. Retardo	Jefferson O. Mameng	Marinduque NHS	Boac North
5	Why Not : Exploring The Potential of Coconut Water ( <i>Cocos Nucefa</i> ) As A Promising Bio-Sweetener	Lyka F. Palatino	Perry Angelo C. Manlapaz	Landy NHS	Sta. Cruz North

<b>LIFE SCIENCE-TEAM CAGEGORY</b>					
Rank	Title	Proponents	Adviser	School	District
1	Effectiveness of Fermented fertilizer Made of Carabao Grass ( <i>Paspalum conjugatum</i> )	Terrence H. Olivar Draven Gomer M. Jambalos Kian Christopher L. Carig	Christine J. Naling	Marinduque NHS	Boac North

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	Leaves and Malunggay (Moringa oleifera) Stem and Leaves on the Growth Rate of Mung Bean (Vigna radiata)				
2	In Vivo Anthelmintic Activity of Makahiya (Mimisa pudica), Bunga (Areca catechu), and Moringa (Moringa oleifera) Leaves in Semi-Scaveging Philippine Native Chicken	Marynelle Julia A. Prieto Mishairre R. Revidizo Ruth Anne E. Valdeviezo		Landy NHS	Sta. Cruz North
3	Physio-chemical and Microbiological Analysis of Water from Saba Banana (Musa acuminata x balbisiana) Pith	Jaden Sjandel Deanne G. Luzares Rhian R. Aqillah Mantal Zidana Fathima Khan M. Chirakkandathil	Jefferson O. Mameng	Marinduque NHS	Boac North
4	Effectiveness of Oregano (Origanum vulgare) Leaves and Sugar Apple (Annona squamosal L.) Leaves Extract to Prolong the Shelf Life of Latundan Banana (Musa acuminata x M. balbisiana).	James Emmanuel M. Luisaga Jacob Ozias M. Mabunga Cyrus James M. Perez	Ms. Jing-Jing L. Mendoza	Marinduque NHS	Boac North
5	Boosting Growth performance and Nutrition of Nile Tilapia	Mekylla Penaranda John Roger	Perry Angelo C. Manlapaz	Landy NHS	Sta. Cruz North

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(Oreochromis niloticus) with Cutterfish bone (Sefia officinalis) and Sea Purslane (Sesuvium portulacastrum)	Revilla Jake Mercado	Maily M. Go		
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**PHYSICAL SCIENCE-INDIVIDUAL CATEGORY**

Rank	Title	Proponents	Adviser	School	District
1.5	BL- FINE : A Potential Supplementary Cementitious Material and Aggregate for Sustainable Cement - Based Construction Material	Andrei Jherome Parreño O.	Paolo Andrew Pantoja	Landy NHS	Sta. Cruz North
1.5	The Feasibility of Kapok Tree Cotton (Ceiba pentandra) as alternative Source of paper	Kristoffer Gerando Diana R.	Perry Angelo Manlapaz	Landy NHS	Sta. Cruz North
3	Cadena de Amor (Antigonon leptopus) as a Potential Source for Bioethanol Production	Kathleen Rose O. Nabos	Fristian Anthony L. Dormido	Marinduque NHS	Boac North
4	Corn (Zea Mays) Husk Plantable Cup Sleeves	Alannah Monterozo	Alfonso R. Reginio Bede Jaybert C. Mascareñ as Nira J. Logmao	Makapuyat NHS	Sta. Cruz East
5.5	The Feasibility of Coconut (Cocos nucifera) Husk, Snake Plant	Zhian Rhay N. Fariñas	Fristian Anthony L. Dormido	Marinduque NHS	Boac North

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	(Dracaena trifasciata) leaves and Potato Starch in Making Packaging Paper				
5.5	Feasibility of Taro(Colocasia esculenta) leaves, Cucumber (Cucumis sativus) peels, and Pomelo (Citrus maxima) peels as Edible Straw	Alzhea Mercene L.	Fristian Anthony L. Dormido	Marinduque NHS	Boac North

**PHYSICAL SCIENCE-TEAM CAGEGORY**

Rank	Title	Proponents	Adviser	School	District
1.5	The Feasibility of Saba Banana(Musa acuminita x halbasiana) Psuedostem as an alternative Mailer for packaging	Jhon Mico S. Nazareno Leighnard Christian P. Principe Gierome L. Monleon	Fristian Anthony L. Dormido	Marinduque NHS	Boac North
1.5	Tilaok Eggcubator Solar- Powered Egg Hatcher with Temperature Controlled automatic system	Jerome R. Mago Christoper Nhel M. Palatino Jairuz P. Pedernal	Emalyn R. Rodil Mailyn M. Go	Landy NHS	Sta. Cruz North
3	Potential of bamboo (Bambusoideaea) shool as a green composite Bioplastic Film	Angelyn R. Ceribo Dyanna R. Rioveros Niño Angelo Peñaflor	Paolo Andrew M. Pantoja	Landy NHS	Sta. Cruz North
4	Biopolymer Plastic Seaweed (Kappaphycus alvarezii)	Merra Althea P. Penafiorida Jang Geum	Emalyn R. Rodil Mailyn M. Go	Landy NHS	Sta. Cruz North

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		M. Regencia Kate Ann M. Martinez			
5.5	Hydroguard: Prototype Boat as Solid Waste Collector	Sheree Anne Medina Jasper Ferdi Sabian	Alfonso R. Reginio Bede Jaybert C. Mascareñas Nira J. Logmao	Makapuyat NHS	Sta. Cruz East
5.5	Utilization of Chicken (Gallus gallus domesticus) Feathers, Nipa palm (Nypa fruticans) Husk, and Taro (Colocasia esculenta) Stem as Adsorbent of Used Engine Lubricant Oil	Mhel Rvie L. Monleon Ralf Bernard Viktor N. Aurin Kian Fritz Jair M. Chavez	Fristian Anthony L. Dormido	Marinduque NHS	Boac North

**ROBOTICS INTELLIGENT MACHINE-TEAM CAGEGORY**

Rank	Title	Proponents	Adviser	School	District
1	Tick - Tock Feeder: A Study of time- Controlled Automatic Feeding System for Commercial Poultry	Peñaranda, Mark Nathaniei P. Roldan, Mark Levi A. Piguerra, Roven M.	Mrs. Emalyn R. Rodil Mailyn M. Go	Landy NHS	Sta. Cruz North
2	Arduino-Based Watering System with Multipurpose Humidification and Soil Moisture Level Monitoring for Household Plants	Cydel Neth Q. Lingon Renee J. Huerta	Fristian Anthony L. Dormido	Marinduque NHS	Boac North
3	Raspberry Pi Based Dual- Purpose Quick Response Code	Keira Erin N. Buñag Raisel Faith L. Sacro	Fristian Anthony L. Dormido	Marinduque NHS	Boac North

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Scanner for Class Attendance with SMS Notification	Nicole Ashley C. Rianzares			
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**SCIENCE INNOVATION EXPO EXPO-INDIVIDUAL CATEGORY**

Rank	Title	Proponents	Adviser	School	District
1	Essential Oil ( <i>Origanum vulgare</i> ; Oregano, <i>Laurus nobilis</i> ; Bay leaves and <i>Cymbopogon nardus</i> ; Citronella) Lamp as an Alternative for d-Allethrin Coil Mosquito Repellent	Lovely Joy Faith Vitto	Gueller Dee V. Salazar	Bangbang NHS	Gasan

**SCIENCE INNOVATION EXPO-TEAM CATEGORY**

Rank	Title	Proponents	Adviser	School	District
1	Arduino- powered Earthquake Detection and Warning Device with Sound Alarm	Ordillano, Nimrod II A. Villanueva, Kenrich T. Alilio Michael Levie M.	Mrs. Riena I. Rodriguez	Marinduque NHS	Boac North
2	Solar - Powered Silent Minivaccum Cleaner	Ma. Alliya M. Ricamara Vince Christian A. Fabrero Gilbert B. Pastoral	Genlie M. Motol	Tigwi NHS	Torrios
3	Project Sinag: Solar Driven Hydrothermal Liquefaction System for Biocrude Oil Production of Different Plastic Wastes	Rocero, Jhon Emmanuel P. Racelis, Kathleen Grace Recto, Adrian P.	Mrs. Mailyn M. Go Mr. Perry Angelo C. Manlapaz	Landy NHS	Sta. Cruz North
4	StyroCorals: An Epoxy Resin- coated Styrofoam as artificial Coral Reef	De Luna, Cassandra Mei Dc. Deligero, Yllaiza Z.	Mr. Perry Angelo C. Manlapaz	Landy NHS	Sta. Cruz North

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5	Eco-friendly Development of Garbage Shredding Machine from Recycled Materials.	Matt Wencil s. Baluyot Gielaisa Craize S. Mascariñas Krisha Mae L. Serdeña	Gueller Dee V. Salazar	Bangbang NHS	Gasán
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