



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

Department of Education  
 Division of Marinduque  
**RECORDS SECTION**  
**RELEASED**  
 Name: 084030  
 Signature: [Signature]  
 Date: NOV 27 2024

Office of the Schools Division Superintendent

November 22, 2024

**DIVISION MEMORANDUM**  
 No. 091 s. 2024

**PARTICIPATION TO THE 2024 VIRTUAL REGIONAL SCIENCE AND TECHNOLOGY FAIR**

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

1. With reference to Regional Memorandum No. 158, s. 2024 re: 2024 Regional Science and Technology Fair, this Division announces the list of qualified research projects that are included in the Regional Science and Technology Fair on December 4-6, 2024. Relative to this, actual conduct of virtual competition shall be held at the Marinduque NHS, Isok, Boac, Marinduque.

2. The list of participants in this activity is found in the enclosure. Participants for Tuklas and Regional Science Innovation Expo categories are requested to be physically present on December 5, 2024 at the Marinduque NHS for the Research Congress/Research Presentation, while participants for AghamAwit and STEMtokperiment may stay at the designated room in their respective schools to watch the Virtual 2024 RSTF Opening Program.

3. The host school is requested to prepare the following:

Venue	5 Classrooms for the TUKLAS and Regional Science Innovation Expo Categories (free from noise or any form of distractions)
Equipment Needed for each Classroom	One laptop/desktop with mouse, webcam and headset with strong Wi-Fi connection
Snack and Lunch for the Participants	To be charged against the local funds subject to usual accounting and auditing rules and regulations

*"DepEd Marinduque: Heart of the Philippines.  
 Lead to Excel. Excel to Lead."*



Malusak, Boac, Marinduque  
 Email: marinduque@deped.gov.ph  
 Tel. No.: (042) 754-0247 • Fax No.: (042) 332-1611  
 Facebook Page: DepEd Tayo Marinduque

4. Further, Mr. Arnold Almonte, Mr. Niko M. Togado, Mr. Jerome C. Mendoza, Mr Jonathan Mangueria, and Ms. Mavi L. Carig are requested to assist the student-researchers in the virtual presentation of their research study and Ms Kristine Lumalang to document the proceedings.

5. Declared Rank 1 winners will have a Regional Cliniquing in preparation for the National Science & Technology Fair at Marinduque NHS Computer Laboratory on December 6, 2024.

6. To ensure uninterrupted classes during the activity, the concerned School heads are requested to arrange a substitute teacher to cover the one-day classes of the teachers concerned who will participate in the said competition.

7. Attached is the Activity Matrix for reference.

8. Immediate dissemination of the contents of this Memorandum is desired.

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

**D**

Encls: As stated  
Reference: Regional Memorandum No. 158, s. 2024  
To be indicated in the Division Perpetual Index  
under the following subjects

CONTESTS  
LEARNERS

LEARNING AREA, SCIENCE  
TEACHERS

*"DepEd Marinduque: Heart of the Philippines.  
Lead to Excel. Excel to Lead."*



Malusak, Boac, Marinduque  
Email: marinduque@deped.gov.ph  
Tel. No.: (042) 754-0247 • Fax No.: (042) 332-1611  
Facebook Page: DepEd Tayo Marinduque

**LIST OF PARTICIPANTS IN THE 2024 REGIONAL SCIENCE  
& TECHNOLOGY FAIR**

<b>TUKLAS CATEGORY</b>				
<b>LIFE SCIENCE-INDIVIDUAL CATEGORY</b>				
<b>TITLE</b>	<b>PROPONENTS</b>	<b>ADVISER</b>	<b>SCHOOL HEAD</b>	<b>SCHOOL</b>
Rice Water ( <i>Oryza sativa</i> ), Cow ( <i>Bos Taurus</i> ) Bones, and Malanga Lila ( <i>Xanthosoma violaceum</i> ) Peels as Charcoal Tablets to Enhance the Growth Rate of Lettuce ( <i>Lactuca sativa</i> ) in a Hydroponic System	Cydel Neth Q. Lingon	Riena I. Rodriquez  Mary Rose S. Decena	Democrito M. Nazareno	Marinduque NHS
<b>LIFE SCIENCE-TEAM CATEGORY</b>				
The Insecticidal Potential of Wild Sugarcane ( <i>Saccharum spontaneum</i> ) Roots Crude Extract Against Fall armyworm ( <i>Spodoptera frugiperda</i> )	Rica Angela L. Labindao Andrea Jade P.Pamonag  Jane Ashly P.Pamonag	Jefferson O. Mameng	Democrito M. Nazareno	Marinduque NHS
<b>PHYSICAL SCIENCE-INDIVIDUAL CATEGORY</b>				
Assessing the Potential of Coconut Husk ( <i>Cocos Nucifera</i> ) Fiber As a Sustainable Acoustic Biomaterial for Noise Mitigation	Hannah Mica Z. Perilla	Perry Angelo C. Manlapaz	Rowel S. Laririt	Landy NHS
<b>PHYSICAL SCIENCE- TEAM CATEGORY</b>				
Plastic Bottle (Polyethylene) and Soda-lime-Silica Glass as an Alternative Materials for Producing Floor Tiles	Terrence H. Olivar  James Emmanuel M. Luisaga  Draven Gomer M. Jambalos	Mrs. Riena I. Rodriguez	Democrito M. Nazareno	Marinduque NHS
<b>ROBOTICS INTELLIGENT MACHINE INDIVIDUAL -CATEGORY</b>				
Filtrabot: An Arduino-Based Mobile Cleanser for Photocatalytic Filtration of Microparticles	Arianne Gayle De Luna	Fristian Anthony L. Dormido	Democrito M. Nazareno	Marinduque NHS
<b>ROBOTICS INTELLIGENT MACHINE -TEAM CATEGORY</b>				

*“DepEd Marinduque: Heart of the Philippines.  
Lead to Excel. Excel to Lead.”*



E-payang: A Green Solution for Weed Management	Jillian Faye M. Jalac, Alizee Marie T. Lara, Juliana May D. Mandia	Fristian Anthony L. Dormido	Democrito M. Nazareno	Marinduque NHS
<b>REGIONAL SCIENCE INNOVATION EXPO</b>				
<b>SCIENCE INNOVATION EXPO - INDIVIDUAL CATEGORY</b>				
Automatic Water Distribution System	Mathea Jimyla Erich L. Manoos	Fristian Anthony L. Dormido	Democrito M. Nazareno	Marinduque NHS
<b>SCIENCE INNOVATION EXPO - TEAM CATEGORY</b>				
Bottle Up: Developing a Reverse Vending Machine with Integrated App-Based Reward System Using Scrap Components	Gieromme L. Monleon  Adreanna M. Sartillo  Stefani C. Mingi	Riena I. Rodriguez Maricel O. Solas	Democrito M. Nazareno	Marinduque NHS
<b>OTHER CATEGORIES</b>				
<b>AwitAgham</b>	Zoe Gwynette Rio, Juneah Akeisha Montoya, Yves Lantita	Khristine M. Lumalang Darwin O. Morales	Democrito M. Nazareno	Marinduque NHS
<b>STEMtokperiment Exhibition</b>	Jade Kendrick L. Rabee	Mary Glo D. Quizada	Ronnel R. Real	Ipil ES

*"DepEd Marinduque: Heart of the Philippines.  
Lead to Excel. Excel to Lead."*



Malusak, Boac, Marinduque  
 Email: marinduque@deped.gov.ph  
 Tel. No.: (042) 754-0247 • Fax No.: (042) 332-1611  
 Facebook Page: DepEd Tayo Marinduque

Enclosure No. 2 to Division Memorandum No. **091**s. 2024

Activity Matrix  
December 4-6, 2024

DAY 1 (December 4, 2024)

<b>RESEARCH REVIEW AND INITIAL SCREENING</b>	
7:00 AM – 8:00 AM	BREAKFAST
8:00 AM – 9:30 AM	Orientation of the Review and Screening Guidelines with the Members of the Scientific Review Committee/ Board of Judges
9:30 AM – 9:45 AM	BREAK
9:45 AM – 12:00 PM	Review and Screening of Submitted Entries
12:00 PM – 1:00 PM	LUNCH BREAK
1:00 PM – 3:00 PM	Review and Screening of Submitted Entries
3:00 PM – 3:15 PM	BREAK
3:15 PM – 5:00 PM	Review and Screening of Submitted Entries
5:00 PM – 6:30 PM	Meeting with the Technical Working Committee on the Preparations for the Virtual Events
6:30 PM – 7:30 PM	DINNER

Day 2 (December 5, 2024)

<b>PART I - OPENING PROGRAM @ 7:30 AM – 8:00 AM</b>	
Voice over	(The host will acknowledge the VIPs present)
2024 MIMAROPA RSTF at a glance	AUDIO – VISUAL PRESENTATION
Voice over	Recognition of the Participants in the Virtual Platform
Philippine National Anthem	AUDIO – VISUAL PRESENTATION
Opening Prayer	AUDIO – VISUAL PRESENTATION
MIMAROPA March	AUDIO – VISUAL PRESENTATION
RSTF 2024 Prelude	AUDIO – VISUAL PRESENTATION
Opening Remarks	<b>WENDELL I. FORMALEJO, PhD</b> Chief Education Supervisor Curriculum and Learning Management Division
Message	<b>CHERRYLOU D. REPIA</b> Director III Assistant Regional Director
Declaration of the formal opening of RSTF 2024	<b>DR. NICOLAS T. CAPULONG CESO III</b> Director IV Regional Director
Presentation of Contest Mechanics & Schedule	<b>JOHN S. EVIOTA</b> Education Program Supervisor, CLMD
Presentation of Board of Judges	<b>JOHN S. EVIOTA</b> Education Program Supervisor, CLMD
Awarding of Special Awards to Students, Teachers, SDO & EPS (Only)	<b>DR. NICOLAS T. CAPULONG CESO III</b> Director IV

*“DepEd Marinduque: Heart of the Philippines.  
Lead to Excel. Excel to Lead.”*



Malusak, Boac, Marinduque  
Email: marinduque@deped.gov.ph  
Tel. No.: (042) 754-0247 • Fax No.: (042) 332-1611  
Facebook Page: DepEd Tayo Marinduque

<p>for those with wins in International Competition)</p>	<p>Regional Director</p> <p><b>CHERRYLOU D. REPIA</b> Director III Assistant Regional Director</p> <p><b>WENDELL I. FORMALEJO, PhD</b> Chief Education Supervisor Curriculum and Learning Management Division</p> <p><b>JOHN S. EVIOTA</b> Education Program Supervisor, CLMD</p>
<p>RSTF 2023 Prelude</p>	<p>AUDIO – VISUAL PRESENTATION</p>

*“DepEd Marinduque: Heart of the Philippines.  
Lead to Excel. Excel to Lead.”*



Malusak, Boac, Marinduque  
 Email: [marinduque@deped.gov.ph](mailto:marinduque@deped.gov.ph)  
 Tel. No.: (042) 754-0247 • Fax No.: (042) 332-1611  
 Facebook Page: DepEd Tayo Marinduque

PART II: SCIENCE CONGRESS/RESEARCH PRESENTATION

TIME	PART II - INDIVIDUAL CATEGORIES				
	Life Science Category	Physical Science Category	Robotics and Intelligent Machines Category	Mathematics and Computational Science Category	Science Innovation Expo
<b>BREAKOUT ROOMS</b>	<b>Breakout Room A</b>	<b>Breakout Room B</b>	<b>Breakout Room C</b>	<b>Breakout Room D</b>	<b>Breakout Room E</b>
8:00 AM – 8:15 AM	Occidental Mindoro	Occidental Mindoro	Occidental Mindoro	Occidental Mindoro	Occidental Mindoro
8:20 AM – 8:35 AM	Oriental Mindoro	Oriental Mindoro	Oriental Mindoro	Oriental Mindoro	Oriental Mindoro
8:40 AM – 8:55 AM	Calapan City	Calapan City	Calapan City	Calapan City	Calapan City
9:00 AM – 9:15 AM	Marinduque	Marinduque	Marinduque	Marinduque	Marinduque
9:15 AM – 9:30 AM	<b>M O R N I N G B R E A K</b>				
9:30 AM – 9:45 AM	Romblon	Romblon	Romblon	Romblon	Romblon
9:50 AM – 10:05 AM	Palawan	Palawan	Palawan	Palawan	Palawan
10:10 AM – 10:25 AM	Puerto Princesa City	Puerto Princesa City	Puerto Princesa City	Puerto Princesa City	Puerto Princesa City
10:30 AM – 10:45 AM	Regional Science High School for MIMAROPA	Regional Science High School for MIMAROPA	Regional Science High School for MIMAROPA	Regional Science High School for MIMAROPA	Regional Science High School for MIMAROPA
10:45 AM – 12:00 PM	<b>Deliberations of Results for INDIVIDUAL CATEGORIES of the Regional Scientific Review Committee</b>				
12:00 PM – 1:00 PM	<b>L U N C H B R E A K</b>				
TIME	PART III - TEAM CATEGORIES				
	Life Science Category	Physical Science Category	Robotics and Intelligent Machines Category	Mathematics and Computational Science Category	Science Innovation Expo
<b>BREAKOUT ROOMS</b>	<b>Breakout Room A</b>	<b>Breakout Room B</b>	<b>Breakout Room C</b>	<b>Breakout Room D</b>	<b>Breakout Room E</b>
1:00 PM – 1:15 PM	Occidental Mindoro	Occidental Mindoro	Occidental Mindoro	Occidental Mindoro	Occidental Mindoro
1:20 PM – 1:35 PM	Oriental Mindoro	Oriental Mindoro	Oriental Mindoro	Oriental Mindoro	Oriental Mindoro
1:40 PM – 1:55 PM	Calapan City	Calapan City	Calapan City	Calapan City	Calapan City
2:00 PM – 2:15 PM	Marinduque	Marinduque	Marinduque	Marinduque	Marinduque
2:15 PM – 2:30 PM	<b>A F T E R N O O N B R E A K</b>				
2:30 PM – 2:45 PM	Romblon	Romblon	Romblon	Romblon	Romblon
2:50 PM – 3:05 AM	Palawan	Palawan	Palawan	Palawan	Palawan
3:10 PM – 3:25 PM	Puerto Princesa City	Puerto Princesa City	Puerto Princesa City	Puerto Princesa City	Puerto Princesa City

*“DepEd Marinduque: Heart of the Philippines.  
Lead to Excel. Excel to Lead.”*



Malusak, Boac, Marinduque  
 Email: marinduque@deped.gov.ph  
 Tel. No.: (042) 754-0247 • Fax No.: (042) 332-1611  
 Facebook Page: DepEd Tayo Marinduque

3:30 PM – 3:45 PM	Regional Science High School for MIMAROPA	Regional Science High School for MIMAROPA	Regional Science High School for MIMAROPA	Regional Science High School for MIMAROPA	Regional Science High School for MIMAROPA
3:45 PM – 5:00 PM	<b>Deliberations of Results for TEAM CATEGORIES of the Regional Scientific Review Committee</b>				
5:00 PM – 6:00 PM	<b>Deliberations of Over-All Results and Winners for All Individual and Team Categories</b>				

*“DepEd Marinduque: Heart of the Philippines.  
Lead to Excel. Excel to Lead.”*



Malusak, Boac, Marinduque  
 Email: [marinduque@deped.gov.ph](mailto:marinduque@deped.gov.ph)  
 Tel. No.: (042) 754-0247 • Fax No.: (042) 332-1611  
 Facebook Page: DepEd Tayo Marinduque

DAY 3 (DECEMBER 6, 2024)

<b>CLOSING PROGRAM AND AWARDING CEREMONY</b>	
RSTF 2024 Prelude	AUDIO – VISUAL PRESENTATION
Philippine National Anthem	AUDIO – VISUAL PRESENTATION
Opening Prayer	AUDIO – VISUAL PRESENTATION
2024 MIMAROPA RSTF at a glance	AUDIO – VISUAL PRESENTATION
<p><i>Announcement &amp; Awarding of Winners</i></p> <ul style="list-style-type: none"> <li>✓ <i>Life Science – Individual</i></li> <li>✓ <i>Life Science – Team</i></li> <li>✓ <i>Physical Science – Individual</i></li> <li>✓ <i>Physical Science – Team</i></li> <li>✓ <i>Robotics and Intelligent Machines – Individual</i></li> <li>✓ <i>Robotics and Intelligent Machines – Team</i></li> <li>✓ <i>Science Innovation Expo – Individual</i></li> <li>✓ <i>Science Innovation Expo – Team</i></li> <li>✓ <i>Champion Life Science</i></li> <li>✓ <i>Physical Science</i></li> <li>✓ <i>Robotics and Intelligent Machines</i></li> <li>✓ <i>Science Innovation Expo</i></li> <li>✓ <i>Best Performing Division – Individual Contests</i></li> <li>✓ <i>Tiktoexperiment</i></li> <li>✓ <i>AwitAgham</i></li> <li>✓ <i>Best Performing Division – Team/Group Contests</i></li> <li>✓ <i>Second Runner Up</i></li> <li>✓ <i>First Runner Up</i></li> <li>✓ <i>Grand Champion</i></li> </ul>	<p><b>DR. NICOLAS T. CAPULONG CESO III</b> Director IV Regional Director</p> <p><b>CHERRYLOU D. REPIA</b> Director III Assistant Regional Director</p> <p><b>WENDELL I. FORMALEJO, PhD</b> Chief Education Supervisor Curriculum and Learning Management Division</p> <p><b>JOHN S. EVIOTA</b> Education Program Supervisor, CLMD</p>
Vote of Thanks	<b>JOHN S. EVIOTA</b> Education Program Supervisor, CLMD
MIMAROPA March	AUDIO – VISUAL PRESENTATION
<b>11:00 AM – 11:15 AM</b>	<b>BREAK</b>
<b>11:15 AM – 12:00 PM</b>	Assembly of Winners – Official Delegate of MIMAROPA Region to NSTF Winning Participants and Teacher Coaches
<b>12:00 PM – 1:00 PM</b>	<b>LUNCH BREAK</b>

*“DepEd Marinduque: Heart of the Philippines.  
Lead to Excel. Excel to Lead.”*



Malusak, Boac, Marinduque  
 Email: marinduque@deped.gov.ph  
 Tel. No.: (042) 754-0247 • Fax No.: (042) 332-1611  
 Facebook Page: DepEd Tayo Marinduque