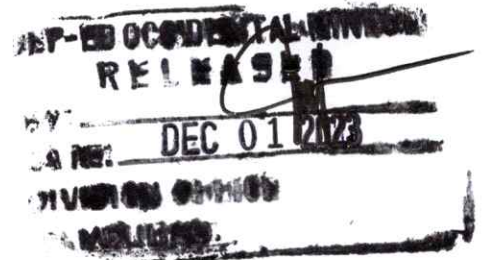




Republic of the Philippines  
**Department of Education**  
MIMAROPA REGION

**SCHOOLS DIVISION OF OCCIDENTAL MINDORO**



Office of the Schools Division Superintendent

November 30, 2023

**DIVISION MEMORANDUM**  
No. 000395, s. 2022

**2023 VIRTUAL REGIONAL SCIENCE AND TECHNOLOGY FAIR**

**TO:** OIC, Assistant Schools Division Superintendent  
Education Program Supervisor Chiefs  
Education Program Supervisor  
Public Schools District Supervisors  
Public Secondary School Heads  
All Others Concerned

1. In compliance with the Regional Memorandum No. 168, s. 2023 titled **2023 Virtual Regional Science and Technology Fair**, with the theme **“Rebuilding Resilient Communities: Embracing Science and Technology for Sustainable Tomorrow”**, the Schools Division Office of Occidental Mindoro through Curriculum Implementation Division will join the said activity to be held on **December 4-7, 2023 via virtual platform.**
2. This activity aims to showcase the competence of the learners in addressing community problems for sustainable development and to maximize their potential of being inquisitive and creative in dealing with the real-life situations.
3. Participants in this activity are the Education Program Supervisors in Science and Mathematics and those who passed the division selection and screening process. See enclosure 1 for the list of qualifiers. To facilitate seamless virtual presentation of the research study, all participants will convene **at Sablayan National Comprehensive High School, Sablayan, Occidental Mindoro on December 4, 5, 6 and 7, 2023.**




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4. They are requested to bring laptop with mouse, headset, wifi modem with load and extension wire. They are expected to be at the venue on **December 4, 2023 at 1:30 PM**. See enclosure 2 for the schedule of Activities.
5. Food, accommodation, travel and other incidental expenses shall be charged to local funds subject to the usual accounting and auditing rules and regulations.
6. For information, guidance, and compliance of all concerned.

By Authority of the OIC-Schools Division Superintendent:  
**LOIDA P. ADORNADO, PhD, CESO VI**

  
**RODEL S. MAGNAYE**  
Assistant Schools Division Superintendent  
OIC, Office of the Schools Division Superintendent



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Enclosure No. 1

**REGIONAL SCIENCE & TECHNOLOGY FAIR QUALIFIERS**

Title	Author	Category	Research Adviser	School
Distinguishing and Consensus Perceptions on Coral Destructions in Apo Reef Natural Park at Sablayan, Occidental Mindoro: A Q Methodological Study	Crysoberyl Anoshah I. Insigne Lucienne Rosie Yveinne L. Landicho Jaimie Breonna T. Mondia Aldriana Geris L. Gallinera	Team	Liezel Joy C. Biendima	Sablayan Comprehensive High School
		Individual	Herald Sen S. Mateo	Sablayan Comprehensive High School
Effectiveness of Conic Calculator using Spreadsheet in the Mastery of Conic Sections Among Science, Technology, and Engineering, and Mathematics (STEM) Students	David Jay L. Taggug Ma. Edgell Grae D. Pimentel Edgar Benjamin C. Eugenio Franchel Ashlee M. Calabio	Team	Liezel Joy C. Biendima	Sablayan National Comprehensive High School
		Individual	Romer Kent C. Gayo	Sablayan Comprehensive High School
Utilizing Sensor-Based Waste Bin for Efficient and Sustainable Waste Management		Robotics and Intelligent Machines		National High
Automated Smart Vacuum Robot				



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Potential of Rice Husk ( <i>Oryza Sativa</i> ) and Chitosan in the Production of Bioplastics	Cryziel Shaine M. Almogela Rona Faith M. Abarquez John Azih I. Mabalot	Physical Science	Team	Ma. Lea D. Peñaflor	San Jose National High School
Decocted Coconut ( <i>Cocos nucifera</i> ) Pulp Waste as an Alternative Electrolyte for Lead-Acid Battery: Campaign for Environment-friendly and Sustainable Energy	Kimberly D. Roble		Individual	Romer Kent C. Gayo	Sablayan Comprehensive High School
Solar-Powered Plastic Shredding Machine	Kristia Nicole Tesorio Drew Jewel Igao Jayvee Oberas	Science Innovation Expo	Team	Jo-Mhari Cassandra Rubio	Abra de Ilog National High School
Development of an Arduino-Powered Smart Walking Aid for Totally Blind Persons Using Ultrasonic Sensors	Neil Jhun C. Albuera		Individual	Sheila Marie A. Ongsingco	Sablayan Comprehensive High School
Larvicidal effects of Varying levels of Garlic ( <i>Allium sativum</i> ) and Oregano ( <i>Origanum vulgare</i> ) Extracts Against Indoor Mosquito ( <i>Aedes aegypti</i> )	Anne Jielka Lee C. Inocencio Clarish M. Limos George Enzo S. Dizon	Life Science	Team	Armina Tañedo	Magsaysay National High School
An Ovicide Alternative for Golden Apple Snail Eggs ( <i>Pomacea canaliculata</i> eggs) using OrSaGa (Oregano, Sambong, and Garlic) Decoction	Casziel Lorraine O. Amita		Individual	Rheadel Jordan	Abra de Ilog National High School





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**Enclosure No. 2: MATRIX OF ACTIVITIES**

**2023 VIRTUAL REGIONAL SCIENCE AND TECHNOLOGY FAIR ACTIVITY MATRIX**

TIME	ACTIVITY	FACILITATOR	
<b>December 4, 2023</b>	<b>Day 0</b>		
1:00 PM-2:00 PM	Arrival and Registration		
2:00 PM -3:00 PM	Settling down/Health break/Snack		
3:00 PM – 5:00 PM	Orientation of the Review and Screening Guidelines with the Research Advisers		
<b>December 5, 2023</b>	<b>Day 1</b>		
7:30 AM – 8:00 AM	Opening Program	Audio-Visual Presentation	
8:00 AM – 8:15 AM	<b>INDIVIDUAL CATEGORIES</b> BREAKOUT ROOM A: Life Science Category  BREAKOUT ROOM B: Physical Science Category  BREAKOUT ROOM C: Robotics and Intelligent Machines Category  BREAKOUT ROOM D: Mathematics and Computational Science Category  BREAKOUT ROOM E: National Science Innovation Expo	Oriental Mindoro	
8:15 AM – 8:30 AM		Occidental Mindoro	
8:30 AM – 8:45 AM		Calapan City	
8:45 AM -9:00 AM		Palawan	
9:00 AM – 9:15 AM		Puerto Princesa City	
9:15 AM – 9:30 AM		Romblon	
9:30 AM – 9:45 AM		Marinduque	
9:45 AM – 10:00 AM		Regional Science High School for MIMAROPA	
10:00 AM – 12:00 PM		Deliberations of Results per Category	Board of Judges
12:00 PM – 1:00 PM		BREAK	
	<b>TEAM CATEGORIES</b>		
1:00 PM – 1:15 PM	BREAKOUT ROOM A: Life Science Category	Oriental Mindoro	
1:15 PM – 1:30 PM	BREAKOUT ROOM B: Physical Science Category	Occidental Mindoro	
1:30 PM – 1:45 PM	BREAKOUT ROOM C: Robotics and Intelligent Machines Category	Calapan City	



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1:45 PM – 2:00 PM		Palawan
2:00 PM – 2:15 PM	BREAKOUT ROOM D: Mathematics and Computational Science Category	Puerto Princesa City
2:15 PM – 2:30 PM		Romblon
2:30 PM – 2:45 PM	BREAKOUT ROOM E: National Science Innovation Expo	Marinduque
2:45 PM – 3:00 PM		Regional Science High School for MIMAROPA
3:00 PM – 5:00 PM	Deliberations of Results per Category	Board of Judges
5:00 PM – 6:00 PM	<b>Consolidation of the Results with the Technical Working Committee</b>	
<b>December 6, 2023</b>	<b>Day 2</b>	
<b>CLOSING PROGRAM AND AWARDING</b>		
RSTF 2023 Prelude	AUDIO – VISUAL PRESENTATION	
Philippine National Anthem		
Opening Prayer		
2022 MIMAROPA RSTF at a glance		
ANNOUNCEMENT AND AWARDING OF WINNERS		Regional Office Key Officials
Vote of Thanks		JOHN S. EVIOTA
MIMAROPA March		AUDIO-VISUAL PRESENTATION
11:00 AM – 11:15 AM	LUNCH BREAK	
11:15 AM – 12:00 PM	Assembly of Winners – Official Delegate of MIMAROPA Region to NSTF	Winning Participants and Teacher Coaches
12:00 PM – 1:00 PM	LUNCH BREAK	
1:00 PM TO 5:00 PM	CLINIQUING SESSIONS FOR LIFE SCIENCE AND PHYSICAL SCIENCE (Individual and Team)	Winning Entry Participants and Teacher- Coach
December 7, 2023	Day 3	
8:00 AM – 12:00 AM	CLINIQUING SESSIONS FOR Robotics and Intelligent Machines (Individual and Team Categories)  Mathematics and Computational Science (Individual and Team Categories)  National Science Innovation Expo (Individual and Team Categories)	Winning Entry Participants and Teacher- Coach