Republic of the Philippines
Department of Education
Region VIII
SCHOOLS DIVISION OF TACLOBAN CITY
Tacloban City

DIVISION MEMORANDUM
NO. _621_ s. **2023**

TO: OIC- Assistant Schools Division Superintendent
CID and SGOD Chiefs
Education Program Supervisors
Public Schools District Supervisors
Public and Private Secondary School Heads
All Others Concerned

SUBJECT: ANNOUNCEMENT OF WINNERS FOR THE 2023 DIVISION SCIENCE, TECHNOLOGY, AND MATHEMATICS FAIR (DSTMF)

DATE: October 20, 2023

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1.   This office through the Curriculum Implementation Division (CID), announces the winners during the conduct of the Division Science, Technology and Mathematics Fair last October 19, 2023 at the Leyte National High School. To wit:

TUKLAS- Life Science (Individual Category)

RANK	ENTRY TITLE	PARTICIPANT	COACH	SCHOOL
1st	Tilapia (Oreochromis nitolicus) Scales as Potential Biosorbent of Copper from Aqueous Solution	Linchu T Pateo	Rhino C. Balintong	Leyte NHS
TUKLAS-Life Science (Team Category)				
1st	The Effect of Chinese Brake Fern (Pteris vittata) Food Diethyl Ether Extract on the Regeneration Time of Planarians (Dugesia Sp.)	Jullie Nessa D. Telemben Shane Laiza G. Mahait Venz Eugene M. Pamat	Fiona N. Manda	Leyte NHS
2nd	In Vitro Molluscicidal Activity of Tuba-tuba (Jathro curcus) against Philippine Schistosomiasis Vector Snail Oncomelania	Hayne Louise E. Dagsa Rechelle Ann P. Arpon	Mark P. Alburo	Northern Tacloban City NHS

		hupensi quadrasi (mollendorf, 1985) (Gastropoda Pomatiopsodae)	Aliyah F. Ladrera		
		TUKLAS-Physical Science (Individual Category)			
1st		Drought Stress Response of Lab-Grown Rice (Oryza sativa) in Hydrogel Substrate from Disposable Baby Diapers	Veronica A. ponciano	Mark Paolo B. Alburo	Northern Tacloban City NHS
2nd		Effectiveness of Corn Husks (Zea mays) and Banana (Musa) Fibers for Papermaking	Julliane Kate Malate	Aiselle Jasen A. Macapugas	Leyte NHS
3rd		Construction of Indoor Indigenous Composting Wquipment tp Convert Biodegradable Trash to Compost	Princess Recca N. Ramirez	Rowena M. Ganton	San Jose NHS
		TUKLAS- Physical Science (Team Category)			
1st		Production of Wine Made from Tambis (Syzygium aqueum) and Banana (Musa spp.)	Anthea Chaniya N. Ballais Stephanie B. Dadulla Kenzo Balina	Milba P. Labadia	Leyte NHS
2nd		Compressive Strength of Concrete Hollow Blocks with Milkfish (Chanos spp) Bagasse Ash as Partial Biodegradable Trash to Biocomposites	James Stirling Ehra May Trajano Marian Mercenes	Mark Paolo P. Alburo	Northern Tacloban City NHS
3rd		Designing an Improvised Indoor Stationary Bik for Physical Fitness that can Generate Elecricitye	Raine Cedric Theodore M. Ablaza Maryzark D. Paderog Ken Klause M. Bantiles	Rowena M. Ganton	San Jose NHS
		TUKLAS- Robotics and Intelligent Machines- (Individual Category)			
1st		TABOG: An Arduino-Based Solar Powdered Ultasonic Variable Frequency Pest Repeller Against Bukbok (Sitophilus oryyzae) Infestation in Stored Grains	Michael John S. Lobrigo	Mark Paolo M, Alburo	Northern Tacloban City NHS
		TUKLAS- Robotics and Intelligent Machines- (Team Category)			
1st		Beyond The Eyes: Multisensory Perception with MIDAS. OpenCV and 3D Audio for Assisted Visual Recognition in the Visually Impaired	Von Zedrich M. Uyvico Shamel C. Borer Nathan Gen F. Palanas	Danilo M. Macapugas Jr.	Leyte NHS

	STEM INNOVATION- (Individual Category)			
1st	Augmentation of the Equilibrium Phase in Thermoelectric Generators	Lance Ronald A. Reyes	Maria Regina S. Golong	Leyte NHS
	STEM INNOVATION- (Team Category)			
1st	Bioelectricity from Tilapia Wastewater Using a Single-Chambered Microbial Fuel Cell with Photosynthetic Algae as Biocatholytes	Khien Simon A. Rosillo Arian Tricano	Mark Paolo M, Alburo	Northern Tacloban City NHS
	MATHEMATICS AND COMPUTATIONAL SCIENCE- (Individual Category)			
1st	Forecasting the Climate: A Linear Regression Model for Temperature and Precipitation in the Philippines	Kryss Paulynn C. Hernandez	Fleur Jan Nina R. Pillero	Leyte NHS
2nd	An Alternative Formula for the Total Surface Area of a Rectangular Prism	Angeli Paulo D. Igot	Briston John Esquivel	Leyte NHS
	MATHEMATICS AND COMPUTATIONAL SCIENCE- (Team Category)			
1st	Unraveling the Nexus Between Carbon Dioxide, Methane, and Temperature in the Philippines from 1990 to 2020: An Analysis Through Modelling	Nethaneel M. Pillero Beatriz Angel M. Luntumbuez Jhunn Mark C. Margallo	Kinneth Kuyle A. Garcia	Leyte NHS
2nd	Some Special Properties of Consecuive Terms of the Fibonacci Sequence	Kimjen O. Caballes Lexie C. Matira Nikha Rose M. Gaddi	Briston John Esquivel	Leyte NHS

3.   The First Place Winners of the different events during the DSTMF shall represent the SDO Tacloban City in the Regional Science, Mathematics and Technology Fair.

4.   Immediate dissemination of and compliance of this Memorandum are desired.

JUDELLA RUIZ-LUMPAS, EdD, CESO VI
Schools Division Superintendent