



Republic of the Philippines
Department of Education
Region VIII
SCHOOLS DIVISION OF CALBAYOG CITY

OCTOBER 2, 2025

DIVISION MEMORANDUM

No. 487, s. 2025

**ANNOUNCEMENT OF THE RESULTS OF THE 2025 DIVISION SCIENCE,
TECHNOLOGY AND MATHEMATICS FAIR (DSTMF)**

To : Assistant Schools Division Superintendent
Chief Education Supervisors
Education Program Supervisors
Public Schools District Supervisors
School Heads of Public Schools
District Science Coordinators
All Others Concerned

1. The Schools Division of Calbayog City successfully conducted the 2025 Division Science, Technology and Mathematics Fair (DSTMF) on September 29-30, 2025 at Calbayog City National High School. The activity aimed to provide opportunities for learners to demonstrate their skills, creativity, and innovations in science, technology, and mathematics, in line with the thrust of promoting scientific inquiry and research among the youth.
2. The final results of the 2025 Division Science, Technology and Mathematics Fair are hereto attached for reference.
3. The first place winners in the different categories shall represent the Division of Calbayog City in the Regional Science, Technology and Mathematics Fair (RSTMF) on October 27-30, 2025 to be held in Maasin City, Southern Leyte.
4. Concerned school heads are directed to extend full support and assistance to the winning participants and their coaches as they prepare for the Regional Fair.
5. Immediate dissemination of and compliance with this Memorandum is directed.


MARGARITO A. CADAYONA JR. PhD, CESO VI
Office of the Schools Division Superintendent



Enclosure: As stated

Reference: As stated

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

curriculum

learning area, science

programs

contests DSTMF

Republic of the Philippines
Department of Education
DepEd Region VIII — Eastern Visayas
Schools Division of Calbayog City

CONTEST RESULTS PER CATEGORY OF THE DIVISION SCIENCE, TECHNOLOGY, & MATHEMATICS FAIR 2025

PHYSICAL SCIENCE CATEGORY (INDIVIDUAL)

Entry No.	Name of Contestants	Coach	School	District	Title of Study	Rank
1	Michada May B. Villanueva	Laica A. Aquino Edna M. Cabillan	Oquendo NHS	Oquendo 1	BIOTFS: Bioplastic from Tilapia Fish Scale	1 st
02	Max Ivan T. Eman	Ana Margarita Daga-Bautista	San Policarpo NHS	Calbayog 5	PHreskool: Parametric Analysis of Thermal Load Profiles in DEPED-DPWH Classroom via ASHRAE Calculations in situ calorimetry for Redesign Recommendations	2 nd
3	Rojan Zenth A. Ortiz	Mila May N. Abarro	Calbayog City NHS	Calbayog 3	HYPE-G: Hydro-Peltier Generator	3 rd

PHYSICAL SCIENCE CATEGORY (TEAM)

Entry No.	Name of Contestants	Coach	School	District	Title of Study	Rank
1	Riezalyn Mae A. Barcoma	Joshua Franco	Malaga National High School	Tinambacan 3	From Kitchen to Classroom: Artocarpus Heterophyllus Latex Andoryza Sativa as Paper Glue	4.5
	Hanna Ruth A. Ladroma					
	Lorie Ann S. Tequin					
2	Riel Jay P. Cabrera	Cristina M. Ygrubay	Trinidad National High school	Calbayog 6	Anticorrosive properties of Oregano (Oreganum vulgare): A Green Approach to Metal rust Prevention	4.5
	Donna May A. Atabado					
	Shanty Drake L. Aquino					
3	Nestor Jr. S. Monsanto	Joekim R. Casiño Marshe R. Panzuelo	Oquendo National High School	Oquendo 1	FLEX: Fiber from leichhardt (Nauclea Orientalis) – Exploring an Alternative for Fiber cement board Productivity	2 nd
	Viel Emerald T. Rabi					
	Jhonrevene T. Ligan					
4	Maria Sarah L. Cabasaan	Lady Daryl A. Berbon	San Policarpo National High School	Calbayog 5	SEACOSCA PASTE: Utilizing cockle shell (Cerastoderma edule), Scallop and Brown Algae as heat insulation on Roof.	3 rd
	Nisleska Bernille I. Ornopia					
	Kzia Eunice G. Susmeña					
5	Shameerah Therese A. de Guzman	Ma. Leny P. Yu	Calbayog City National High School	Calbayog 3	NUEROGROW: Convolutional Neural Network (CNN) – Based Automated Chamber for Seed Germination and Environmental Optimization.	1 st
	June Gabriel Shaun G. Ortiz					
	Eisha Vashti L. Fortaleza					

LIFE SCIENCE CATEGORY (INDIVIDUAL)

Entry No.	Name of Contestants	Coach	School	District	Title of Study	Rank
1	Kervie I. Moraca	Isa Rose Onsipido	Malaga NHS	Tinambacan 3	Citrofortunella Microcarpa as Laundry Bleach	4 th
2	Arriz John B. Balajidiong	Venus L. Merencillo Arlene B. Grandecila	Trinidad NHS	Tinambacan 3	Used Sanitary Napkins Growth Enhancer of Mungo with baker's Yeast as a biodecomposer	3 rd
3	Adrian A. Masamoc	Madelyn S. Temporosa	Calbayog City NHS	Calbayog 3	Nsai Camphor and Malabar Spinach Phytochemical blends as Plant Growth Promoter for Pechay	1 st
4	Jeffrey P. Lopez	Jeazyl M. Miano	San Policarpo NHS	Calbayog 5	Insectilizer: Unified Organic Fertilizer and Insecticide from grass clippings, malunggay stems, banana peels, wood ashes & Yerba Buena leaf extract	2 nd

**LIFE SCIENCE CATEGORY
(TEAM)**

Entry No.	Name of Contestants	Coach	School	District	Title of Study	Rank
1	Miry! Valerie Resurreccion Cantiga Emilla Janelle Juanerio Villanueva April Rose Ompad Septimo	Eduardo D. Rodriguez Jr.	Malaga National High School	Tinambacan 3	Recycled Candle Project with Oregano Oil Extract and Sampaguita Scent as a Mosquito Repellent	7 th
2	Rachel Quining Abejuela Jenny Bieve Ortega Giray Krestel Ane Medalla Elias	Joan Tapaya	Cabatuan National High School	Oquendo 3	Efficacy of Pandan Leaf-based Compost Tea on the growth Performance & Pest incidence of Green Onion	6 th
3	Julia Jumaday Ariane Mae P. Manidlangan Jenny Rose S. Talorong	Genesis S. Lingling	Tabawan Integrated School	Calbayog 4	Cockroach Exoskeleton as Bio-Fertilizer for Eggplant	5 th
4	Sophia Mischa Hermione Villamor Faith Niña C. Molina Lovella Rose O. Cananua	Jumel P. Royo	Trinidad National High School	Calbayog 6	In-Vitro Analysis of the Anti-blood Clot Potential of Squash Leaf Ethanolic Extract using Chicken Blood	3 rd
5	Iza Danielle B. Talon Mikaella L. Labajo Ashley Nicole S. Trinidad	Mary Ann S. Dordines	San Joaquin National High School	Tinambacan 2	Musa Acuminata (Lakatan- Banana) Peeling Fermented Wine	4 th



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6	Aleah Jade L. Cabrito	Lady Sydney S. Tarrayo	Calbayog City National High School	Calbayog 3	Phytoremediation Activity of Tagibi Mangrooves for Lead Contamination	1 st
	Tristan Terrence Vianne P. Catalan					
	Mikaela Kaye R. Grafil					
7	Jessa Marie S. Montero	Jeazyl M. Miano	San Policarpo National High School	Calbayog 5	Mosquito: Larvacidad Bio-efficacy of Guava leaf and Lemongrass extracts as a Phytochemical Solution Against Aedes aegypt larvae	2 nd
	Julliene Sam L. Rebosura					
	James Kaye T. Balag					
8	Jean Louise B. Varona	Margie R. Catalan Angiela M. Refamonte	Carayman National High school	Calbayog 1	Turning Waste into Fuel: Extraction of Ethanol from Rice Straw using Alkali Pretreatment & Acid Hydrolysis-Fermentation	8 th
	Julian A. Macabidang					
	Jude Anthony C. Ybanez					

SCIENCE INNOVATION EXPO CATEGORY (INDIVIDUAL)

Entry No.	Name of Contestants	Coach	School	District	Title of Study	Rank
1	Marc Stephen Burca	Aaron J. Flor	Malaga National High School	Tinambacan 3	Repurposed Clip Fan Turbine for DC Electricity: Lighting, Storage, and Charging	4 th
2	Rae Ziela Mari M. Alfaro	Ma. Cresilda R. Marito Rosalina C. Palogar	Quendo National High School	Oquendo 1	A Prototype of a Small-scale Household Automated Flood Barrier	2 nd
3	Ardie B. Encinas	Nestor J. Oliveros Jr.	Calbayog City National High School	Calbayog 3	Power-Ad Home: Production of Organic Waste Energy Resource	1 st
4	Aden Dale L. Dadia	Naribelle D. Bonguit Aiza D. Cabundoc	Pilar National Agricultural High School	Oquendo 3	From Weed to Wonder: Harnessing Peperomia, Pellucida's Antifungal Properties	3 rd

SCIENCE INNOVATION EXPO CATEGORY (TEAM)

Entry No.	Name of Contestants	Coach	School	District	Title of Study	Rank
1	Renante T. Dura	Jeiva Prell L De Jesus	Malaga National High School	Tinambacan 3	Portable Hybird Solar-battery Generator for sustainable comfort and Off-grid Innovation	4 th
	Jocelyn R. Remegio					
	Gerald M. Parba					
	Bernadeth Y. Viscara		Dawo Integrated	Oquendo 3	Sweet Potato Leaves Rice Cake	5 th



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2	Rihhana C. Saludario	Jacy P. Regayas	School			
	Ma. Lara B. Encila					
3	Mark Sheron Avila	John Paul S. Cagrama	Migara National High School	Calbayog 4	Tuba Bio-battery	6 th
	Romar Competente					
	Marimar Edrial					
4	Irra Mae Reianna M. Julaton	Lourdes Ladrero Annabelle Aralar	Oquendo National High School	Oquendo 1	Thermo-Lumen: Thermoelectric Mobile-controlled Emergency Light	1 st
	Irin Almaein M. Julaton					
	John Cruz V. Cacho					
5	Shann Michael M. Judloman	Emma Ruth D. Labro	Calbayog City National High School	Calbayog 3	SWEGUARD: Solar-powered Window Electric Grid-utilized Anti-insect Retractable Device	2 nd
	Leanne Ella A. Cutanda					
	Margauxe Jayeisha G. Dones					
6	Jhanice P. Aquino	Ellaine Joy Zilmar - Sepeda	San Policarpo National High School	Calbayog 5	Vibrasense: Structural Health Monitoring System on School Buildings Through Vibration	3 rd
	Arsen Jan G. del Los Santos					
	Jan Lloyd L. Aguaviva					

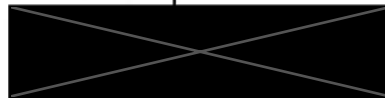
ROBOTICS and INTELLIGENT MACHINES (INDIVIDUAL)

Entry No.	Name of Contestants	Coach	School	District	Title of Study	Rank
1	Knives P. Lomocso	Jeiva Prell L. De Jesus	Malaga NHS	Tinambacan 3	Thermoguard: Classroom Temperature Monitoring Device	4 th
2	Micah Sheen C. Comilan	April Cathy S. Manota	San Policarpo NHS	Calbayog 5	Snaptendance: A Smart Facial Recognition Attendance Monitoring System with SMS Alerts	2 nd
3	Aeofie D. Alivario	Sherwin C. Salamanes John Philip R. Resente	Oquendo NHS	Oquendo 1	CARE: Crash and Alarm Response for Emergencies System	3 rd
4	Princess Jean C. Serinas	Christian Paul C. Lustico Karen J. Yu	Calbayog City NHS	Calbayog 3	HARVEST: Humidity-Monitored Automations for Raking, Ventilated-Drying, Equipped Storage, and Transfer for Post-Harvest Rice Grain System	1 st



ROBOTICS and INTELLIGENT MACHINES (TEAM)

Entry No.	Name of Contestants	Coach	School	District	Title of Study	Rank
1	Daryl M. Melendres	Aaron J. Flor	Malaga National High School	Tinambacan 3	RCAM ROBOTICS: CAMERA-EQUIPPED RC TOYS LIFE-SAVING SURVEILLANCE AND RESCUE IN EARTHQUAKE	4 TH
	Jemel V. Maaghop					
	Kean Remegio					
2	Kurt Ivan B. Nugas	John Philip R. Resente Sherwin C. Salamanes	Oquendo National High school	Oquendo 1	MOD-VAC: Modified CCTV for Vehicular Accident Capture	1 st
	Zyra Khim A. Lego					
	Zyrelle Renie A. Teonilo					
3	Lady Diane N. Bonifacio	Lazaro R. Binay Jr.	Calbayog City National High school	Calbayog 3	SLIDESAFE: Development of an Arduino-Based Real-time Rain-induced Landslide Early Warning System	2 nd
	Khent Martin T. Aliman					
	Dwight David R. Talon					
4	Kaye D. Daguman	Nelson L. Igay John Carlo B. Templonuevo	San Policarpo National High school	Calbayog 5	Glusorbot: Arduino-based Glucose Sensing Robot	3 rd
	Ma. Ricqui Ely D. Bello					
	Cris Anthony M. Beraces					



OVERALL RANKING OF THE DIVISION SCIENCE, TECHNOLOGY and MATHEMATICS FAIR 2025

No.	DISTRICT	ROBOTICS & INTELLIGENT MACHINES		LIFE SCIENCE		PHYSICAL SCIENCE		SCIENCE INNOVATION EXPO		TOTAL	AVE	RANK
		Individual	Team	Individual	Team	Individual	Team	Individual	Team			
1	Calbayog 1	8.5	8.5	8.5	8	8	10	8.5	9.5	69.5	8.7	9
2	Calbayog 2	8.5	8.5	8.5	10.5	8	10	8.5	9.5	72	9	10
3	Calbayog 3	1	2	1	1	3	1	1	2	12	1.5	1
4	Calbayog 4	8.5	8.5	8.5	5	8	10	8.5	6	63	7.9	7
5	Calbayog 5	2	3	2	2	2	3	8.5	3	25.5	3.2	2
6	Calbayog 6	8.5	8.5	3	3	8	4.5	8.5	9.5	53.5	6.7	5
7	Oquendo 1	3	1	8.5	10.5	1	2	2	1	29	3.6	3
8	Oquendo 2	8.5	8.5	8.5	10.5	8	10	8.5	9.5	72	9	10
9	Oquendo 3	8.5	8.5	8.5	6	8	10	3	5	57.5	7.2	6
10	Tinambacan 1	8.5	8.5	8.5	10.5	8	10	8.5	9.5	72	9	10
11	Tinambacan 2	8.5	8.5	8.5	4	8	10	8.5	9.5	65.5	8.2	8
12	Tinambacan 3	4	4	4	7	8	4.5	4	4	39.5	4.9	4



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