



Republic of the Philippines
Department of Education
REGION IV-A CALABARZON
SCHOOLS DIVISION OF BATANGAS

03 October 2025

DIVISION MEMORANDUM
No. 561, s. 2025

RESULTS OF THE 2025 DIVISION SCIENCE AND TECHNOLOGY FAIR

To: Assistant Schools Division Superintendents
Chief- Curriculum Implementation Division (CID)
Chief- School Governance and Operations Division (SGOD)
Education Program Supervisors
Public Schools District Supervisors
Public and Private Secondary School Heads
All Others Concerned

1. In reference to Division Memorandum No. 352, s. 2025 titled *2025 Division Science and Technology Fair (DSTF)*, this Office, through the Curriculum Implementation Division, hereby announces the results of the 2025 Division Science and Technology Fair held at Rosario East Central School on October 2, 2025. The official results are contained in the attached enclosure.
2. The first-place winners in each category shall represent the Division in the 2025 Regional Science and Technology Fair to be held on October 21–23, 2025 at the Cultural Center of Laguna, Sta. Cruz, Laguna.
3. Immediate and wide dissemination of this Memorandum is desired.


MARITES A. IBÁÑEZ, CESO V
Schools Division Superintendent

Encl. As stated

Reference: Division Memorandum No. 352, s. 2025

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

Issuances- Division Memorandum

EBD/ RESULTS OF THE 2025 DIVISION SCIENCE AND TECHNOLOGY FAIR/ S2-112319 / 10/03/2025



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Enclosure 1. Official Results of 2025 Division Science and Technology Fair

Life Science – Individual

Rank	School	Sub-office	Students	Coach	Research Title
1 st	Lemery Senior High School	Lemery	Rayael G. Medina	Eugenio C. Magdales	Growth, Yield, and Toxicological Assessment of Oyster Mushroom (<i>Pleurotus ostreatus</i>) Cultivated on Ink-Contaminated Paper Waste via Brine Shrimp Lethality Assay
2 nd	Balayan National High School	Balayan East	Zoei Alleine R. Viernes	Kerwin M. Tumambing PhD	BIO-MOLAC: Bioprocessing of Molasses for Lactic Acid Creation: Evaluation of the Effectiveness of Different Types of Molasses in the Production of Lactic Acid through Probiotics
3 rd	Bayorbor National High School	Mataasnakahoy	Prince Michael A. Vergara	Analyn K. De Las Alas	Sustainable Biofuel from the Sea and Rooftops: A Viability Study of <i>Acrosiphonia mertinsii</i> (Green Rope) and <i>Sargassum crassifolium</i> (Brown Algae)

Life Science – Team

Rank	School	Sub-office	Students	Coach	Research Title
1 st	Lemery Senior High School	Lemery	Alexa Jhoanne Brosoto	Eugenio C. Magdales	Microplastic Contamination in the Gastrointestinal Tract and Muscles Tissue of Cage-Cultured Nile Tilapia (<i>Oreochromis niloticus</i>) in the East of Taal Lake, Batangas, Philippines
			Gracedenisse D. Cueto		
			Chloe Margarette M. Enriquez		
2 nd	Balayan National High School	Balayan East	Cyrill Jilliane R. Aquino	Geminiana C. Macalindong	Project BOOST: Biodegradation Optimization of Sugarcane (<i>Saccharum officinarum</i>) Agricultural Wastes Treatment using Carabao Manure Biostimulant
			Giovanni D. Atienza		
			Sharleez Hasan Mohamed M. Alsuwaidi		
3 rd	San Pascual Senior High School 1	San Pascual	Christ Lear Jude D. Barit	Alvin S. Macalalad	HYDROLEAF: Hydroponic System Project Designed for Strategic Practices for Advancing Compact Environment in School Gardens
			Joenaski D. Garcia		
			Jieanne D. Sumiog		



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Physical Science – Individual

Rank	School	Sub-office	Students	Coach	Research Title
1 st	Tuy Senior High School	Tuy	Rexel C. Barrameda	Lucky Ivy V. Visto	Carbon Nanotubes from <i>Carica papaya</i> (Papaya) Dried Leaves for Advanced Energy Storage
2 nd	Lemery Senior High School	Lemery	Caitlin Faye C. Del Mundo	Eugenio C. Magdales	Efficacy of Eggshell Powder as White Pigment Alternative to Titanium Dioxide (TiO ₂) in Epoxy-based Paint Formulation
3 rd	Calatagan Senior High School	Calatagan	Marie Cailyn C. Fernandez	Erika M. Layon	Activated Sugarcane (<i>Saccharum officinarum</i>) Leaf and Corn (<i>Zea mays</i>) Cob as Oil Spill Adsorbent Pad

Physical Science – Team

Rank	School	Sub-office	Students	Coach	Research Title
1 st	Bauan Technical Integrated High School	Bauan West	Ashley Mae M. Clarete	Maricel D. Espinili	A Hybrid Solar-Wind System for Continuous and Real-Time Coastal Water Quality Monitoring
			Jhenela Mae M. Dalangin		
			John Patrick A. Evangelista		
2 nd	Balayan National High School	Balayan East	Aliah A. Del Rosario	Kerwin M. Tumaming PhD	PROJECT BRIQUEMA – Briquette Machine Construction: The Design and Construction of Biomass Briquette Machine and Characterization of Biomass Briquettes from Localized Waste Materials
			Iara Hope M. Hernandez		
			Raven Antonio M. Roque		
3 rd	Malvar Senior High School	Malvar	James S. Jomud	Raechelle Joyce C. Siudad	Step On Watts: Harnessing Footstep Energy through Piezoelectric Sensors
			Princess Kyna M. Sabeli		
			Carl Justin N. Serut		



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Mathematics and Computational Science – Individual

Rank	School	Sub-office	Students	Coach	Research Title
1 st	Lemery Senior High School	Lemery	Marlverson Heindrix O. Rosales	Analie B. Atienza	Early Warning System for Dengue: A Time Series Forecasting Model for Lemery, Batangas
2 nd	Alalum National High School	San Pascual	Alissa June T. Manalo	Cherie B. Balentoza	Dengue Transmission Modeling: A Weather-Driven SIR Model with Climate-Sensitive Parameters in Localized Communities
3 rd	Lucsuhin National High School	Calatagan	Cassandra Isabel M. Laderas	Jeffrey R. Abad	ROVE-BOT: Recycled RC Car for Data Collection

Mathematics and Computational Science – Team

Rank	School	Sub-office	Students	Coach	Research Title
1 st	Bauan Technical Integrated High School	Bauan West	Daniel Alexis A. Manibo Areyianna B. Malangis Jayvee Prescott A. Evia	Justin Micah B. Comia	Molecular Mile: An Educational Dice-Board Game for Enhancing Comprehension And Mastery Of Gas Laws
2 nd	Balayan Senior High School	Balayan West	Antonio Benedict A. Guevarra Rodolfo Dominic A. Guevarra Jazmine Joy A. Magahis	Cecilia A. De Castro, Pauline Misty Panganiban, Maricel Patulot, Ariel Prigo	Optimizing Vehicle Queues at Balayan Intersection using Reinforcement Learning with Inputs from M/M/2 Queuing Model
3 rd	Talisay Senior High School	Talisay	Frankie R. Gardoce Ariane Myle F. Ponce Marjorie R. Toledo	Engr. Richie G. Balba	Effectiveness of the Unified Variable System in Enhancing Algebraic Competency of Senior High School Students: A Mixed-Methods Study



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Robotics and Intelligent Machine – Individual

Rank	School	Sub-office	Students	Coach	Research Title
1 st	Alalum National High School	San Pascual	Arc Jean V. Dalawangbayan	Kimberly Mae R. Abaca	Guardian Bot Detecting Human Presence in Rooms Using Weebot Sensors
2 nd	Dr. Bonifacio A. Masilungan INHS	San Jose	Kean Hansen Q. Regencia	Alona B. Talag	Design and Implementation of an Arduino-Driven Smart Trash Bin
3 rd	San Juan Senior High School	San Juan East	Justin Charles N. Goce	Jezreel A. Dollente	CleanTech Station: Development of a Stationary Autonomous Robot Utilizing Sensors to Identify and Segregate Green and Red Waste Materials for Sustainable Campus Waste Management

Robotics and Intelligent Machine – Team

Rank	School	Sub-office	Students	Coach	Research Title
1 st	Lucsuhin National School	Calatagan	Jan Kairo D. Balbanida	Sarah Jane C. Capacia	RONDA: Robotic Observer for Natural Disaster Assessment
			Aaron Mathew D. Caunceran		
			Patrick Angelo F. Canlapan		
2 nd	Santiago Senior High School	Malvar	Rihanna Nichole A. Orias	Michael John L. Miranda	Multi-Purpose TechnoTank
			Madelyn C. Reyes		
			King Khamie D. Llanes		
3 rd	Balayan Senior High School	Balayan West	John Jester T. De los Reyes, ,	Jay C. Tibayan, John Aldrin Dimaala	PICO: Prevention and Ignition Control Operation for a Breath-Based Helmet Alcohol Detection System for Road Safety
			Abraham Jonnas M. Mendoza		
			Xerxes Zedric D. Jimenez		



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Science Innovation Expo – Individual

Rank	School	Sub-office	Students	Coach	Research Title
1 st	Lemery Senior High School	Lemery	Yvine E. Villavicencio	Engr. Rege C. Comia	Flood Sense: A Smart Flood Sensor Device and Monitoring System with Buzzer Alarm and SMS Notification Alert
2 nd	Laiya Integrated NHS	San Juan East	Nicole G. De Chavez	Caselyn C. Sebuc	Chlorofuel: Bioconversion of Fallen Leaves into Sustainable Biofuel for Energy Efficiency and Environmental Viability
3 rd	Balayan National High School	Balayan East Sub-Office	Gabriel A. Julongbayan	Kerwin M. Tumambing, PhD	PROJECT PASS – Personal Attendance Scanning System: Development and Programming of Student Attendance System Using 1D Codes

Science Innovation Expo – Team

Rank	School	Sub-office	Students	Coach	Research Title
1 st	Lemery Senior High School	Lemery	Ma. Isabel B. Aguirre	Engr. Rege C. Comia	AUTOCRAY: Automated Crayfish Feeder
			John Mico D. Guambor		
			Kacey Clark T. Razon		
2 nd	Nasugbu East SHS	Nasugbu East	Zyrus Q. Bugagao	Eron C. Pangilinan	Ergonomic Innovation in Learning: A 180° Rotational Flexi-Desk Chair for Adaptive Learning Spaces
			Franjz Gian D. Cudiamat		
			Noriel N. Palmiano		
3 rd	Ibaan Saint James Academy, Inc.	Ibaan	Ervin Jan M. Caponpon	Engr. Melannie P. Adante	Sustainable Solid Waste Management: A Thermoelectric Waste-to-Energy Generator with Integrated Air Filtration
			Mikaella Rhaynne E. Sinahon		
			Ivy Rose A. Untiveros		