Republic of the Philippines
Department of Education
REGION III
SCHOOLS DIVISION OF PAMPANGA

October 22, 2026

DIVISION MEMORANDUM
No. 646, s. 2026

ANNOUNCEMENT OF WINNERS IN THE 2026 DIVISION SCIENCE AND TECHNOLOGY FAIR

To: Assistant Schools Division Superintendent
Chief Education Supervisors, CID and SGOD
Education Program Supervisors
Public Schools District Supervisors
Public and Private Elementary and Secondary School Heads
Science Coordinators
Teachers and All Others Concerned

1. The **Schools Division Office of Pampanga** hereby announces the official results and winners in the **2026 Division Science and Technology Fair (DSTF)** conducted on **October 17, 2026**, at **Potrero National High School, City of San Fernando, Pampanga**.

2. The Division Science and Technology Fair served as a venue for learners to demonstrate excellence in scientific inquiry, innovation, technological advancement, robotics, and research presentation, while promoting the development of critical thinking, creativity, and problem-solving skills aligned with the goals of STEM education.

3. The winners in the different categories are hereby recognized for their remarkable achievements and outstanding performance during the competition.

4. The list of winners and corresponding awards per category are provided in the attached enclosure.

5. Learner-researchers who garnered **First Place and Second Place awards** in their respective categories shall undergo screening and validation. Those who **meet** the prescribed qualifications and requirements shall represent the Schools Division Office of Pampanga in the forthcoming Regional Science and Technology Fair, subject to the guidelines and requirements set by the Regional Office.

6. All participants, coaches, school heads, members of the Technical Working Group, judges, and stakeholders are commended for their invaluable contributions to the successful conduct of the activity.

7. Immediate and wide dissemination of this Memorandum is desired.

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LEONARDO C. CANLAS EdD, CESO VI
Schools Division Superintendent

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Enclosure No. 1 to Division Memorandum No. _____, s. 2026

OFFICIAL RESULTS AND LIST OF WINNERS
2026 DIVISION SCIENCE AND TECHNOLOGY FAIR

MAJOR AWARDS

A. PHYSICAL SCIENCE

Name	School	School Head	Teacher-Coach	Research Title	PSDS	Rank
Karl Vincent G. Agpalo	Emigdio A. Bondoc Senior High School	Marlene C. Garcia	Joshua L. Pineda	Ditch The Drain: Prolonging Fully Synthetic Diesel Engine Oil Intervals with Molybdenum Disulfide (MoS2)	Analiza I. Pineda	First Place
Cheska Kayle D. Ngo	Rodolfo V. Feliciano Memorial High School	Jennifer D. Reyno	Janet T. Miranda	Refin: Recovery and Extraction of Fish-Processing By-Products Through Integrated Lipid Extraction and Transesterification of Nile Tilapia (Oreochromis niloticus)	Andrea T. Gutierrez PhD	Second Place

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Archie M. Sebastian	Pasig National High School	Rosario C. Santos	Daisy Anne C. Mendoza	Senscrete: Development of A Self-Sensing Piezoresistive Concrete Composite Using Lahar Aggregate and Conductive Filler for Real-Time Damanage Indication	Elizer M. Dimarucut EdD	Third Place
Jennylene M. Rabia	Diosdado Macapagal High School	Joel P. Cadiang	Paul Angelo Galang	Clipping the Crisis: Development and Evaluation of Eva-Padded Paperclip - Mounted Peroxidase - Potassium-Iodide -Starch Indicator for Early Drought-Stress Detection and Leaf-Cover Pest Protection in Pechay (Brassica-Rapa Subsp. Chinensis)	Edna L. Pineda	Fourth Place
Zapharia Mica S. Serrano	San Isidro National High School - San Luis	Liberty D. Villegas	Jonathan P. Mellona	PINTA: Paint Innovated with Non-conductive Thermal Agriculture waste as a Potential	Madilyn V. Ayson EdD	Fifth Place

				Thermal Insulation Coating		
Physical Science- Team						
Jennylyn Ann M. Dagdag Nic Brian L. Gomez Sean Kheygee M. Reyes	Emigdio A. Bondoc Senior High School	Marlene C. Garcia	Joshua L. Pineda	Unbe-Leaf-able: Flame Retardant Textile made from Pineapple (Ananas Comosus) Leaves Coated in Phosphorus-Protein	Analiza I. Pineda	First Place
Rayne Jorizle E. Fernando Marionne Giaynah M. Ignacio Lanz Albreich A. Manalang	Pulung Santol National High School	Eloisa C. Lusung	Alessandra D. Valencia	Development and Evaluation of a Solar-Powered Flood Early Warning System (SPFEWS) and a Tetrapod-Based Flood Mitigation Model	Philip T. Paulino EdD	Second Place
Eimie Coleen I. Sibug Julius Myjel P. Landingin	San Roque Dau High School	Jocelyn D. Baluyut PhD	Bituin P. Guillermo RN	Development and Testing of Cymbopogon Citratus (Lemon grass), Risenarinus Officinalis (Rosemary), and Citronella Oil as an	Randy N. Batac	Third Place

Divine C. Sadsad				Effective Mosquito repellant patch		
Princess Cayela B. Layug Precious G. Palaran Trisha Anne C. Prado	Rodolfo V. Feliciano Memorial High School	Jennifer D. Reyno	Aleah G. Sabado	Verde: Using Valuable Eco-Friendly Resources to Develop Green Charcoal and Enhance Sweet Potato (Ipomoea Batatas) Growth	Andrea T. Gutierrez PhD	Fourth Place
Tracy S. Cortez Rhian C. Punzalan Wynonna Gayle S. Tayo	Concepcion Integrated School	Jessie R. Silvestre	Mikee E. Punzalan	Water Shellution: Comparing Coconut and Eggshell in Enhancing Top Water Quality in Concepcion Integrated School	Nenita G. Salas EdD	Fifth Place

B. LIFE SCIENCE

Name	School	School Head	Teacher-Coach	Research Title	PSDS	Rank
Life Science- individual						
Nathaniel S. Carangian	Bahay Pare National High School	Maribeth S. Santos	Lander M. Alabado	Evaluation of the Effectiveness of the Pomacea Canaliculata (Golden Apple Snail)	Constancio I. Rodriguez	First Place

				Mucilage as a Biocoating for Extending the shelf life of Tomatoes		
Gilbert Bryan P. Barajan	Emigdio A. Bondoc Senior High School	Marlene C. Garcia	Joshua L. Pineda	MalathiNO: Water Hyacinth (Eichhornia crassipes) as an Adsorbent for Malathion in Aquatic-Simulated Environment	Analiza I. Pineda	Second Place
Rob Neithan Roque	Becuran National High School	Lilia G. Valdez EdD	Jake Pocholo Guanlao	Formulation of an Edible Bio-Film Coating made from the Kamias (Averrhoa Bilimbi) Extract to extend vegetable shelf-life	Emily R. Maninang	Third Place
Life Science- Team						
Jamari Jay D. Buan John Reil P. Gamueda Alfred Xian B. Limin	Pulung Santol National High School	Eloisa C. Lusung	Mack Jeremee S. Roque	Microbiological Safety Risks Associated with CatFish (Clarias Sp.) Raised on Unprocessed Market Food Waste for Public	Philp T. Paulino EdD	First Place

				Health Awareness		
Audrey Nicole T. Dela Peña Althea Yhunniz M. Manlapaz Dan Steven D. Lontoc	Bahay Pare National High School	Maribeth S. Santos	Clariza M. Canimo	Cytotoxicity Activity of Sechium Edule (Chayote) Seed Extract Using Brine Shrimp Lethality Assay (BSLA)	Constancio I. Rodriguez	Second Place
Ariana S. Gulapa Mark Jayson P. Ramos Hakiyo Nikko D. Sadie	Pasig National High School	Rosario C. Santos	Ladylee M. Mallari	Aqua Oyster Pot: A floating White Oyster Mushroom (Pleurotus Ostreatus) Mycelium for Pond Water Remediation	Elizer M. Dimarucut EdD	Third Place
Winona Jade David Rhionna Denise R. Manansala Kendrev Rhine S. Nunag	Emigdio A. Bondoc Senior High School	Marlene C. Garcia	Joshua L. Pineda	Toad:xicity: Larvicidal Potential of Cane Toad (Rhinella marina) Parotoid Gland Secretion Against Field-Collected Mosquito Larvae	Analiza I. Pineda	Fourth Place
Lance AJ S. Bulanadi Phoebe Kaye M. Lansangan	San Isidro National High School -San Luis	Liberty D. Villegas	Jonathan P. Mellona	TriGuard Botanica: Assessing the Pesticidal Potential of	Madilyn V. Ayson EdD	Fifth Place

Santino B. Vital				Avocado and Bitter Gourd Leaf Extracts and Coconut Oil Against Mango Fruit Flies		

C. MATHEMATICS AND COMPUTATIONAL SCIENCE

Name	School	School Head	Teacher-Coach	Research Title	PSDS	Rank
Mathematics and Computational Science- Individual						
Bea Shariah Santos	Becuran National High School	Lilia G. Valdez EdD	Richard C. Gumin	Maximizing Cell Tower Efficiency Using A GIS-Based Mathematical Model for Optimizing Cell Tower Placement	Emily R. Maninang	First Place
Karl Keirsten J. Flores	Rodolfo V. Feliciano Memorial High School	Jennifer D. Reyno	Patrick P. Yambao	Spatiotemporal Analysis of Urban Expansion in Pampanga (2015-2025) and Forecasting Future Growth Trends Using Remote Sensing and Time-Series Models	Andrea T. Gutierrez PhD	Second Place
Jay Lohanne G. Padilla	Porac Model Community High School	Gil V. Tiongco	Charlene A. Zeng	Evaluating Nipah Virus Containment and total Infection Projection in the Philippines via the SIR Model	Philip T. Paulino EdD	Third Place
Mathematics and Computational Science- Team						

Rafael Geo M. Dimacali Ian Patrick P. Mandap Angel Vanessa R. Dimacali	San Carlos San Luis National High School	Jerry S. Manabat	Sharon S. Turla	Project AQUAFORE: Estimating Rainfall-Generated Surface Runoff in Pampanga Using the SCS Curve Number Method and Its Relationship to River Water Level Response	Madilyn V. Ayson EdD	First Place
Charles Gideon T. Pasok Eireen Joy U. Esguerra Euan Deign D. Valerio	Rodolfo V. Feliciano Memorial High School	Jennifer D. Reyno	Patrick P. Yambao	A Rule-Based Bitcoin Trading Strategy Tested Against Dollar-Cost Averaging, 2022 to 2026	Andrea T. Gutierrez PhD	Second Place
Rench Klifford D. Julao Janell Venice E. Guevarra Melodhy Shane D. Victoriano	Porac Model Community High School	Gil V. Tiongco	Charlene A. Zeng	Predictive Mathematical Modeling of Nanofoltration Efficiency Using Fick's Law of Diffusion and R Studio for Non-Potable Water Reuse	Philip T. Paulino EdD	Third Place
Carl Stephen B. Martin Mark Lorenz G. Pangan Ceferino S. Pastrana III	Bahay Pare National High School	Maribeth S. Santos	Ralph Lawrence T. Alindayu	Statistical Analysis of the Relationship Between Rainfall and Dengue Cases in Candaba, Pampanga	Constancio L. Rodriguez	Fourth Place
Xyza Jhen Baluyut Wendy Guinto Ashly Jennel Pineda	Becuran National High School	Lilia G. Valdez EdD	Richard C. Gumin	Mathematical Prediction of Rainfall Trends in Guagua, Pampanga Along the Pasac-Guagua Watershed During the 2026 El Niño Using Historical Rainfall Data	Emily R. Maninang	Fifth Place

D. ROBOTICS AND INTELLIGENT MACHINES

Name	School	School Head	Teacher-Coach	Research Title	PSDS	Rank
Robotics and Intelligent Machines- Individual						
Jheiden Angelo L. Belleza	San Juan High School	Naszer C. Yco	Jolo Allexice R. Pineda	RESQ-Tag: Design and Evaluation of a Mesh-Relay Wearable Alert System for Philippine Public School Emergency Response	Dela Paz T. Waje EdD	First Place
Mark Andrei Magcayang	Mangga High School	Ricky V. Mangulabnan	Reynaldo G. Bautista	SALAG: An Automatic Flood Barrier for Residential Protection	Constancio L. Rodriguez	Second Place
Jeremiah Dave L. Gonzales	San Luis National High School	Faye M. Gonzales	Marvin T. Sumat	Security RC CARAS B.A.N.T.A.Y (Broadband-Assisted Navigation and Teleoperated Area Yield): A Smartphone-Controlled Mobile Surveillance Robot	Madilyn V. Ayson EdD	Third Place
Robotics and Intelligent Machines- Team						
Khate Zhyrene I. Dela Cruz Richelle Akilah B. Pagaling Shiashie Kimberlie C. Ramos	Rodolfo V. Feliciano Memorial High School	Jennifer D. Reyno	Criselle May P. Bulaun	Gas Assessment System Using an ESP32 Controller with MQ-5 Sensor for LPG Leakage detection, Automated Local Response, IoT Web Monitoring and Alert Notification	Andrea T. Gutierrez PhD	First Place

Franchezca Mae B. Bulanadi Katelyn T. Jarlego Jan Wendell R. Sumat	San Carlos San Luis National High School	Jerry S. Manabat	Regino B. Agbuya	Project Hoppe: Helping Organize Patients' Pill Experiences Using an Automated Medicine Reminder with Compartment-Opening System	Madilyn V. Ayson EdD	Second Place
Matt Axzel F. Mallari Tj A. Lulu Princess Barbie M. Sagum	San Luis National High School	Faye M. Gonzales	Ann Cheryl A. Narciso	RESQBOT: A smart Fire Detection Robot for Residential Safety	Madilyn V. Ayson EdD	Third Place

E. SCIENCE AND INNOVATION EXPO

Name	School	School Head	Teacher-Coach	Research Title	PSDS	Rank
Science and Innovation- Individual						
Khurt Alexander G. Cabael	Emigdio A. Bondoc High School	Narcisa M. Labao	Erick Miguel M. Malvar	PANANGGA: Project for Automated Natural Airflow with Novel Guide and General Air Temperature Control	Madilyn V. Ayson EdD	First Place
Gabriel Ashlee T. Libo	San Luis National High School	Faye M. Gonzales	Precious Darlyn G. Go	Development of a Recycling Dispenser: A Way for Homeless People to have Access to	Madilyn V. Ayson EdD	Second Place

				Drinkable Water		
Princes S. Dabu	San Pablo 2nd National High School	Jeanie A. Lintag	Laurence S. Pangan	Small Spaces, Big Problems: The Impact of Limited Classroom Spaces on Students; Cognitive Performance	Gloria M. Pineda EdD	Third Place
Science Innovation and Expo- Team						
Ma. Angelina S. Abalde Maor Feiwel A. Atienza Uno Alfredo D. Sanchez	Porac Model Community High School	Gil V. Tiongco	Alvin Jay S. Torio Chrisper C. Escoto	Integration of Arduino-Based Inductive Proximity Sensing, Alcohol-Vapor Detection, and Endoscopic Imaging for the Automated Detection and monitoring of Ferromagnetic Materials and Alcohol for School Security and Surveillance	Philip T. Paulino EdD	First Place
Ashley Gave G. Manlutac Princess Amjula T. Ramos	Rodolfo V. Feliciano Memorial High School	Jennifer D. Reyno	Janet T. Miranda	AECO-Board: Comparative Effects of Biopolymer Coatings on the Performance of Avocado	Andrea T. Gutierrez PhD	Second Place

Princess Arianne O. Yumul				Seed Starch and Recycled Paper Fiber-Based Alternative Cork Board		
Jeffiel Andrei A. Culala Cyrus Ken R. Enrile Syeisha Anika Reloj	Bahay Pare National High School	Maribeth S. Santos	Louie May M. Villanueva	SAFEROUTE: An Intelligent Evacuation Route Application with Dynamic Rerouting for Fire, Earthquake, and Active Shooter-Emergencies	Constancio L. Rodriguez	Third Place
Laurence Baxter O. Bingcang Kyle Angelo O. Escoto Klyde Azrielle O. Escoto	Don Jesus Gonzales High School	Ruby Rosa C. Sagum	Trisha Mae D. Chu	TANAW: Telemetry-Assisted Network for Real-Time Area-Based Weather Monitoring and Warning Using Arduino-Based Localized Station Modules	Dela Paz T. Waje EdD	Fourth Place
Janzen Y. Manaloto Jade Darren B. Langamin Mariane Mananquil	Diosdado Macapagal High School	Joel P. Cadiang	Bianca B. Mendoza	D.M.H.S. (Detecting Movement for Hazard and Safety): Development of an Earthquake Alarm System for Life-Saving Early Warnings	Edna L. Pineda	Fifth Place

Enclosure No. 2 to Division Memorandum No. _____, s. 2026

OFFICIAL RESULTS AND LIST OF WINNERS
2026 DIVISION SCIENCE AND TECHNOLOGY FAIR

SPECIAL AWARDS

BEST PRESENTER

Name	School	School Head	Teacher-Coach	PSDS
Physical Science- Individual				
Cheska Kayle D. Ngo	Rodolfo V. Feliciano Memorial High School	Jennifer D. Reyno	Janet T. Miranda	Andrea T. Gutierrez PhD
Jennylene M. Rabia	Diosdado Macapagal High School	Joel P. Cadiang	Paul Angelo Galang	Edna L. Pineda
Life Science- Individual				
Gilbert Bryan P. Barajan	Emigdio A. Bondoc Senior High School	Marlene C. Garcia	Joshua L. Pineda	Analiza I. Pineda
Mathematics and Computational Science- Individual				
Karl Keirsten J. Flores	Rodolfo V. Feliciano Memorial High School	Jennifer D. Reyno	Patrick P. Yambao	Andrea T. Gutierrez PhD
Robotics and Intelligent Machines- Individual				
Jhaiden Angelo L. Belleza	San Juan High School	Naszer C. Yco	Jolo Allexice R. Pineda	Dela Paz T. Waje EdD
Science and Innovation Expo- Individual				
Princess S. Dabu	San Pablo 2nd National High School	Jeanie A. Lintag	Laurence S. Pangan	Gloria M. Pineda EdD

Republic of the Philippines

Department of Education

REGION III

SCHOOLS DIVISION OF PAMPANGA

BEST PRESENTER

Name	School	School Head	Teacher-Coach	PSDS
Physical Science- Team				
Rayne Jorizle E. Fernando Marionne Giaynah M. Ignacio Lanz Albreich A. Manalang	Pulung Santol National High School	Eloisa C. Lusung	Alessandra D. Valencia	Philip T. Paulino EdD
Tracy S. Cortez Rhian C. Punzalan Wynonna Gayle S. Tayo	Concepcion Integrated School	Jessie R. Silvestre	Mikee E. Punzalan	Nenita G. Salas EdD
Life Science- Team				
Jamari Jay D. Buan John Reil P. Gamueda Alfred Xian B. Limin	Pulung Santol National High School	Eloisa C. Lusung	Mack Jeremee S. Roque	Philip T. Paulino EdD
Mathematics and Computational Science- Team				
Rench Klifford D. Julao Janell Venice E. Guevarra Melodhy Shane D. Victoriano	Porac Model Community High School	Gil V. Tiongco	Charlene A. Zeng	Philip T. Paulino EdD
Robotics and Intelligent Machines- Team				
Khate Zhyrene I. Dela Cruz	Rodolfo V. Feliciano Memorial High School	Jennifer D. Reyno	Criselle May P. Bulaun	Andrea T. Gutierrez PhD

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Richelle Akilah B. Pagaling Shiashie Kimberlie C. Ramos				
Science and Innovation Expo- Team				
Ma. Angelina S. Abalde Maor Feiwel A. Atienza Uno Alfredo D. Sanchez	Porac Model Community High School	Gil V. Tiongco	Alvin Jay S. Torio Chrisper C. Escoto	Philip T. Paulino EdD

BEST PROJECT POSTER DISPLAY

Name	School	School Head	Teacher-Coach	PSDS
Physical Science- Individual				
Archie M. Sebastian	Pasig National High School	Rosario C. Santos	Daisy Anne C. Mendoza	Elizer M. Dimarucut EdD
Karl Vincent G. Agpalo	Emigdio A. Bondoc Senior High School	Marlene C. Garcia	Joshua L. Pineda	Analiza I. Pineda
Life Science- Individual				
Nathaniel S. Carangian	Bahay Pare National High School	Maribeth S. Santos	Lander M. Alabado	Constancio I. Rodriguez
Mathematics and Computational Science- Individual				
Bea Shariah Santos	Becuran National High School	Lilia G. Valdez EdD	Richard C. Gumin	Emily R. Maninang
Robotics and Intelligent Machines- Individual				
Jeremiah Dave L. Gonzales	San Luis National High School	Faye M. Gonzales	Marvin T. Sumat	Madilyn V. Ayson EdD
Science and Innovation Expo- Individual				
Princes S. Dabu	San Pablo 2nd National High School	Jeanie A. Lintag	Laurence S. Pangan	Gloria M. Pineda EdD

Name	School	School Head	Teacher-Coach	PSDS
Physical Science- Team				
Eimie Coleen I. Sibug Julius Myjel P. Landingin Divine C. Sadsad	San Roque Dau High School	Jocelyn D. Baluyut PhD	Bituin P. Guillermo RN	Randy N. Batac
Tracy S. Cortez Rhian C. Punzalan Wynonna Gayle S. Tayo	Concepcion Integrated School	Jessie R. Silvestre	Mikee E. Punzalan	Nenita G. Salas EdD
Life Science- Team				
Audrey Nicole T. Dela Pena Althea Yhunniz M. Manlapaz Dan Steven D. Lontoc	Bahay Pare National High School	Maribeth S. Santos	Clariza M. Canimo	Constancio I. Rodriguez
Mathematics and Computational Science- Team				
Rench Klifford D. Julao Janell Venice E. Guevarra Melodhy Shane D. Victoriano	Porac Model Community High School	Gil V. Tiongco	Charlene A. Zeng	Philip T. Paulino EdD
Robotics and Intelligent Machines- Team				
Matt Axzel F. Mallari Tj A. Lulu	San Luis National High School	Faye M. Gonzales	Ann Cheryl A. Narciso	Madilyn V. Ayson EdD

Princess Barbie M. Sagum				
Science and Innovation Expo- Team				
Laurence Baxter O. Bingcang Kyle Angelo O. Escoto Klyde Azrielle O. Escoto	Don Jesus Gonzales High School	Ruby Rosa C. Sagum	Trisha Mae D. Chu	Dela Paz T. Waje EdD