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

September 28, 2026

DIVISION MEMORANDUM
No. 569, s. 2026

ANNOUNCEMENT OF QUALIFIERS FOR THE 2026 DIVISION SCIENCE AND TECHNOLOGY FAIR

To: Assistant Schools Division Superintendents
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. In line with the Department of Education's thrust to promote scientific inquiry, innovation, creativity, and technological advancement among learners, this Office, through the Curriculum Implementation Division (CID), announces the **qualifiers for the 2026 Division Science and Technology Fair**, as determined during the **Division Validation and Screening of Cluster Winning Entries conducted on September 24, 2026**.

2. The validation and screening activity was conducted to evaluate the cluster-winning entries and determine those that successfully met the established criteria and standards for participation in the **2026 Division Science and Technology Fair**.

3. The qualifiers are from the following categories:

a. **Physical Science**
- Individual
- Team

b. **Life Science**
- Individual
- Team

c. **Mathematics and Computational Science**
- Individual
- Team

d. **Robotics and Intelligent Machines**
- Individual
- Team

e. **Science and Innovation Expo**
- Individual
- Team

4. The **official list of qualifiers**, including the code, school, and research/project title of each entry, is provided in the Enclosure to this Memorandum.

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5. All qualified learner-researchers and their respective teacher-coaches/research advisers are advised to continue refining and improving their research projects and outputs based on the comments, suggestions, and recommendations provided by the validators during the validation and screening activity. They shall likewise ensure that all required documents, presentation materials, prototypes, and other pertinent requirements are complete and ready for the Division Science and Technology Fair.

6. Teacher-coaches of the qualified entries shall retrieve the manuscripts containing the comments, suggestions, and recommendations of the validators on **September 30, 2026**, at the Curriculum Implementation Division (CID) Lower House Office for the necessary refinement and improvement of their respective research entries.

7. The refined manuscripts shall be submitted to the CID Lower House Office **on** or **before October 5, 2026**. Teacher-coaches are advised to ensure that the comments, suggestions, and recommendations provided during the validation and screening activity have been appropriately addressed prior to submission.

8. The **coding** of the submitted manuscripts shall be conducted on **October 8, 2026**, at the CID Lower House Office by the assigned members of the Technical Working Group (TWG) to ensure the proper identification and preparation of the entries for the 2026 Division Science and Technology Fair.

9. On **October 15, 2026**, selected members of the TWG shall conduct an **ocular inspection of the venue at Potrero National High School** to assess the readiness of the facilities and finalize the necessary arrangements for the conduct of the **2026 Division Science and Technology Fair**.

10. This **Memorandum** shall also serve as **Travel Authority** for all concerned personnel who will undertake the activities stipulated herein on **September 30, October 5, 8, and 15, 2026**. Concerned personnel may claim reimbursement of transportation expenses from their respective schools, chargeable against available local school funds, subject to existing accounting and auditing rules and regulations.

11. School Heads are requested to provide the necessary technical, administrative, and logistical support to the qualified learner-researchers and their teacher-coaches/research advisers to facilitate their preparation and participation in the Division Science and Technology Fair.

12. The Schools Division Office extends its warmest congratulations to all the qualifiers, their teacher-coaches/research advisers, School Heads, Science Coordinators, and schools for their commendable performance and valuable contribution to fostering a culture of scientific inquiry, research, creativity, innovation, and excellence among learners.

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

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SEP 28 2026

ROMEO M. ALIP PhD, CESO V
Schools Division Superintendent

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

OFFICIAL LIST OF QUALIFIERS

2026 DIVISION SCIENCE AND TECHNOLOGY FAIR

A. PHYSICAL SCIENCE

Individual Category

No.	Code	Research Title	School
1	PS-I-SDO14-01	Ditch The Drain: Prolonging Fully Synthetic Diesel Engine Oil Intervals with Molybdenum Disulfide (MoS2)	Emigdio A. Bondoc Senior High School
2	PS-I-SDO14-04	Refin: Recovery and Extraction of Fish-Processing By-Products Through Integrated Lipid Extraction and Transesterification of Nile Tilapia	Rodolfo V. Feliciano High School
3	PS-I-SDO14-08	Pinta: Paint Innovated with Onon-Conductive Thermal Agriculture Waste as A Potential Thermal Insulation Coating	San Isidro National High School
4	PS-I-SDO14-09	Senscrete: Development of A Self-Sensing Piezoresistive Concrete Composite Using Lahar Aggregate and Conductive Filler for Real-Time Damanage Indication	Pasig National High School
5	PS-I-SDO14-11	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)	Diosdado Macapagal High School

Team Category

No.	Code	Research Title	School
1	PS-T-SDO14-01	Verde: Using Valuable Eco-Friendly Resources to Develop Green Charcoal and Enhance Sweet Potato (Ipomoea Batatas) Growth	Rodolfo V. Feliciano High School
2	PS-T-SDO14-03	Development and Evaluation of a Solar-Powered Flood Early Warning System (FEWS) with a Tetrapod-Based Flood Mitigation Model	Pulung Santol National High School
3	PS-T-SDO14-04	Natural PH-Sensitive Packaging Film from Red Cabbage (Brassica Oleracea Var. Capitatat F. Rubra) Extract for Freshness Detection in Fish and Meat	Becuran National High School
4	PS-T-SDO14-06	Bio-Fiber Insulator: Innovating Eco-Friendly and Cost-Effective Insulation Boards Using Coconut Coir (Cocos	Porac National High School

		Nucifera) and Narra Wood Shavings (Pterocarpus Indicus) as Sustainable Thermal Insulation	
5	PS-T-SDO14-07	Development and Testing of Cymbopogon Citratus (Lemon grass), Risenarinus Officinalis (Rosemary), and Citronella Oil as an Effective Mosquito repellant patch	San Roque Dau High School
6	PS-T-SDO14-12	Water Solution: Comparing Coconut and Eggshell in Enhancing Top Water Quality in Concepcion Integrated School	Concepcion Integrated School
7	PS-T-SDO14-15	Unbe-Leaf-able: Flame Retardant Textile made from Pineapple (Ananas Comosus) Leaves Coated in Phosphorus-Protein	Emigdio A. Bondoc High School

B. LIFE SCIENCE

Individual Category

No.	Code	Research Title	School
1	LS-I-SDO14-01	MalathiNO: Water Hyacinth (Eichhornia crassipes) as an Adsorbent for Melathion in Aquatic-Simulated Environment	Emigdio Bondoc Senior High School
2	LS-I-SDO14-02	Formulation of an Edible Bio-Film Coating made from the Kamias (Averrhoa Bilimbi) Extract to extend vegetable shelf-life	Becuran National High School
3	LS-I-SDO14-05	Evaluation of the Effectiveness of the Pomacea Canaliculata (Golden Apple Snail) Mucilage as a Biocoating for Extending the shelf life of Tomatoes	Bahay Pare National High School

Team Category

No.	Code	Research Title	School
1	LS-T-SDO14-01	Microbiological Safety Risks Associated with CatFish (Clarias Sp.) Raised on Unprocessed Market Food Waste for Public Health Awareness	Pulong Santol National High School
2	LS-T-SDO14-05	Cytotoxicity Activity of Sechium Edule (Chayote) Seed Extract Using Brine Shrimp Lethality Assay (BSLA)	Bahay Pare National High School
3	LS-T-SDO14-07	TriGuard Botanica: Assessing the Pesticidal Potential of Avocado and Bitter Gourd Leaf Extracts and Coconut Oil Against Mango Fruit Flies	San Isidro National High School -San Luis
4	LS-T-SDO14-08	Toad:xicity: Larvicidal Potential of Cane Toad (Rhinella marina) Parotoid Gland Secretion Against Field-Collected Mosquito Larvae	Emigdio A. Bondoc Senior High School
5	LS-T-SDO14-09	Comprehensive Ethnopharmacological Survey Phytochemical Profiling, and Biosynthetic Pathway Mapping of Ficus Odorata Balnco (Moraceae): Bridging	San Juan High School

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		Indigenous Sandpaper use and Medicinal Bioactivity in San Jun Mexico, Pampanga	
6	LS-T-SDO14-10	Aqua Oyster Pot: A floating White Oyster Mushroom (Pleurotus Ostreatus) Mycelium for Pond Water Remediation	Pasig National High School

C. MATHEMATICS AND COMPUTATIONAL SCIENCE

Individual Category

No.	Code	Research Title	School
1	MCS-I-SDO14-01	Evaluating Nipah Virus Containment and total Infection Projection in the Philippines via the SIR Model	Porac Model Community High School
2	MCS-I-SDO14-02	Spatiotemporal Analysis of Urban Expansion in Pampanga (2015-2025) and Forecasting Future Growth Trends Using Remote Sensing and Time-Series Models	Rodolfo V. Feliciano Memorial High School
3	MCS-I-SDO14-07	Maximizing Cell Tower Efficiency Using A GIS-Based Mathematical Model for Optimizing Cell Tower Placement	Becuran National High School

Team Category

No.	Code	Research Title	School
1	MCS-T-SDO14-01	Predictive Mathematical Modeling of Nanofoltration Efficiency Using Fick's Law of Diffusion and R Studio for Non-Potable Water Reuse	Porac Model Community High School
2	MCS-T-SDO14-02	A Rule-Based Bitcoin Trading Strategy Tested Against Dollar-Cost Averaging, 2022 to 2026	Rodolfo V. Feliciano Memorial High School
3	MCS-T-SDO14-03	Statistical Analysis of the Relationship Between Rainfall and Dengue Cases in Candaba, Pampanga	Bahay Pare National High School
4	MCS-T-SDO14-05	Mathematical Prediction of Rainfall Trends in Guagua, Pampanga Along the Pasac-Guagua Watershed During the 2026 El Niño Using Historical Rainfall Data	Becuran National High School
5	MCS-T-SDO14-07	Project AQUAFORE: Estimating Rainfall-Generated Surface Runoff in Pampanga Using the SCS Curve Number Method and Its Relationship to River Water Level Response	San Carlos San Luis National High School

D. ROBOTICS AND INTELLIGENT MACHINES

Individual Category

No.	Code	Research Title	School
1	RIM-I-SDO14-01	RESQ-Tag: Design and Evaluation of a Mesh-Relay Wearable Alert System for Philippine Public School Emergency Response	San Juan High School
2	RIM-I-SDO14-02	Security RC CARAS B.A.N.T.A.Y (Broadband-Assisted Navigation and Teleoperated Area Yield): A Smartphone-Controlled Mobile Surveillance Robot	San Luis National High School
3	RIM-I-SDO14-03	SALAG: An Automatic Flood Barrier for Residential Protection	Mangga High School

Team Category

No.	Code	Research Title	School
1	RIM-T-SDO14-01	Project Hoppe: Helping Organize Patients' Pill Experiences Using an Automated Medicine Reminder with Compartment-Opening System	San Carlos San Luis National High School
2	RIM-T-SDO14-02	RESQBOT: A smart Fire Detection Robot for Residential Safety	San Luis National High School
3	RIM-T-SDO14-12	Gas Assessment System Using an ESP32 Controller with MQ-5 Sensor for LPG Leakage detection, Automated Local Response, IoT Web Monitoring and Alert Notification	Rodolfo V. Feliciano Memorial High School

E. SCIENCE AND INNOVATION EXPO

Individual Category

No.	Code	Research Title	School
1	SIE-I-SDO14-01	Small Spaces, Big Problems: The Impact of Limited Classroom Spaces on Students; Cognitive Performance	San Pablo 2nd National High School
2	SIE-I-SDO14-02	Development of a Recycling Dispenser: A Way for Homeless People to have Access to Drinkable Water	San Luis National High School
3	SIE-I-SDO14-03	PANANGGA: Project for Automated Natural Airflow with Novel Guide and General Air Temperature Control	Emigdio A. Bondoc High School

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No.	Code	Research Title	School
1	SIE-T-SDO14-01	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	Porac Model Community High School
2	SIE-T-SDO14-02	AECO-Board: Comparative Effects of Biopolymer Coatings on the Performance of Avocado Seed Starch and Recycled Paper Fiber-Based Alternative Cork Board	Rodolfo V. Feliciano Memorial High School
3	SIE-T-SDO14-03	Lived Experience of Pablonians in School Waste Management: Basis for Project SALANSAN Enhancement	San Pablo 2nd National High School
4	SIE-T-SDO14-04	SAFEROUTE: An Intelligent Evacuation Route Application with Dynamic Rerouting for Fire, Earthquake, and Active Shooter-Emenrgencies	Bahay Pare National High School
5	SIE-T-SDO14-05	ALERTO: Advanced Local Emergency RFeporting and Threat Observation System with SMS Notification and Privacy-Centered Camera Documentation	San Isidro National High School-San Luis
6	SIE-T-SDO14-06	USB: An Essential and Useful Crisis Box	San Luis National High School
7	SIE-T-SDO14-07	Project PERIODIX: Promoting Engagement, Recognition, and Interactive Online Digital eXploration of the Periodic Table and Its Effect on the Academic Performance in Science of Grade 9 Students	San Carlos San Luis National High School
8	SIE-T-SDO14-08	D.M.H.S. (Detecting Movement for Hazard and Safety): Development of an Earthquake Alarm System for Life-Saving Early Warnings	Diosdado Macapagal High School
9	SIE-T-SDO14-09	TANAW: Telemetry-Assisted Network for Real-Time Area-Based Weather Monitoring and Warning Using Arduino-Based Localized Station Modules	Don Jesus Gonzales High School
10	SIE-T-SDO14-10	KALASAG: Knowledge-Driven Appliance & Load Alert System for Accurate Guidance	Emigdio A. Bondoc High School
11	SIE-T-SDO14-11	My Safe Space: A QR- Accessible School-Based Platform for Discreet Student Reporting and Counselling Support	Pulung Santol National High School

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