



Republic of the Philippines
Department of Education
NEGROS ISLAND REGION

REGIONAL MEMORANDUM
No. 151, s. 2026

FEB 12 2026

**NEGROS ISLAND REGION (NIR) FINALISTS OF THE NATIONAL SCIENCE
AND TECHNOLOGY FAIR S.Y. 2025-2026**

To: Schools Division Superintendents of Bacolod City, Himamaylan City, Negros Occidental, Negros Oriental, Talisay City and Siquijor
All Others Concerned

1. Attached is the DepEd Memorandum DM-OUJS-2026-052 from the Office of the Undersecretary for Learning Systems on the Finalists of the National Science and Technology Fair S.Y. 2025-2026.
2. This Memorandum hereby serves as the official endorsement of the identified participants to the above-mentioned activity.
3. Immediate dissemination of and compliance with this Memorandum are desired.

RAMIR B. UYTICO EdD, CESO III
Regional Director

Encl.: As stated
Reference: As stated
To be indicated in the Perpetual Index
under the following subjects:

PROGRAM CURRICULUM

MMPR/CLMD-RM- 2026 Finalists for National Science and Technology Fair S.Y. 2025-2026
000/February 11, 2026



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Republic of the Philippines
Department of Education
OFFICE OF THE UNDERSECRETARY FOR LEARNING SYSTEMS

MEMORANDUM
DM-OULS-2026-052

TO : **RAMIR B. UYTICO**
Regional Director
DepEd NIR

ATTN: REGIONAL SCIENCE AND MATH SUPERVISORS

Carmela Oracion
FROM : **CARMELA C. ORACION**
Assistant Secretary
Officer-in-Charge
Office of the Undersecretary for Learning Systems

SUBJECT : **FINALISTS OF THE NATIONAL SCIENCE AND TECHNOLOGY FAIR S.Y. 2025 - 2026**

DATE : February 3, 2026

The Department of Education, through the Bureau of Curriculum Development (BCD), congratulates the finalists of the **National Science and Technology Fair (NSTF) S.Y. 2025 - 2026** from the regions. Listed in Table 1 are the projects that successfully met the standards of the National Scientific Review Committee.

Table 1: NSTF Finalists

Negros Island Region				
Category	Research Title	School	Proponent/s	Adviser
1. Life Science – Individual	Floral Diversity Assessment of Urban Green Space Hotspots in DepEd Schools of Bacolod City towards the Development of a DepEd Floral Field Guide	Bacolod City National High School	Karlaisle V. Dumdum	Phillip Raymund R. De Oca
2. Life Science – Team	ISOLATION AND BIOANALYTICAL CHARACTERIZATION OF QUERCETIN FROM <i>Physalis peruviana</i> AND <i>Passiflora foetida</i> WITH PHYTOCHEMICAL SCREENING,	Himamayla n National High School	1. Rehnyle Gaile S. Palma 2. Shannyl Fame V. Temblor 3. April Joy P. Hernaez	1. Jade M. Arro 2. Rick Jhan P. Hiponia



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	PROXIMATE COMPOSITION, NUTRITIONAL PROFILING, ANTOXIDANT AND CYTOTOXIC EVALUATIONS, AND VEGFR-2 (KDR)-ME			
3. Physical Science Individual	SYNTHESIS, CHARACTERIZATION, AND APPLICATION OF SILKWORM COCOON SERICIN-CAPPED N, S-co-DOPED CARBON QUANTUM DOTS FOR VISIBLE-LIGHT-DRIVEN PHOTOCATALYTIC REMOVAL OF CHLORPYRIFOS-CONTAMINATED AGRICULTURAL WASTEWATER IN NEGROS ISLAND INTEGRATING A CIRCULAR BIOECONOMIC MODEL	Negros Occidental High School	Kenjie S. Francisco	Russell N. Gorre
4. Physical Science Team	Synthesis, Characterization, and Evaluation of Surgarcane Bagasse-Based Reduced Nanoporous Graphene Oxide (rNPGO) Membrane as a Novel Filtration Medium for Water Desalination	Negros Occidental High School	1. Ehra Teriz Pacificar 2. Mary Iris D. Laurel 3. Haizel B. Piados	1. Sharon S. Villagraca 2. Russel N. Gorre
5. Robotics and Intelligent Machines – Individual	KARTHOS: An AI-Integrated Robotic Assistant for Early Breast Cancer Detection via Mammogram Classification, Heatmap Segmentation, and Guided Self-Examination	Sumaliring High School	Margareth J. Ac-Ac	Aiza M. Abingayan



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6. Robotics and Intelligent Machines – Team	NAILINTEL: A Hybrid CNN-Transformer Deep Learning Screening Tool for Iron-Deficiency Anemia and Subungual Melanoma via Fingernail Imaging	Siquijor Provincial Science High School	1. Xris Austell M. Dahili 2. Johan Maurice S. Guibone 3. Janna Mae L. Lingo-lingo	Angel Arthur M. Doble Jr.
7. Mathematics and Computational Science – Individual	ARTIFICIAL INTELLIGENCE-ENHANCED ATMOSPHERIC SIMULATION AND TOPOLOGICAL MODELING: AN UNCERTAINTY-QUANTIFIED ENSEMBLE FRAMEWORK FOR DYNAMIC VOLCANIC ASH DISPERSION PREDICTION ANALYSIS, PROBABILISTIC DIRECTIONALITY, AND SPATIALLY-OPTIMIZED EVACUATION ROUTE FOR MT. KANLAON	Negros Occidental High School	Tefi P. Moreno	Russell N. Gorre
8. Mathematics and Computational Science – Team	CS-STABILIX: COMPUTATIONAL ANALYSIS OF COUNTER-SNAPPING FOR ENHANCED BRIDGE STABILITY DURING DISASTERS USING NONLINEAR SPRING MODEL	Negros Occidental High School	1. Yohann Jed R. Alamon 2. Gegan Ray G. Cahilig 3. Ion Nathaniel F. de Paula	1. Russell N. Gorre 2. Kalvin Joy Bauno
9. STEM Innovation Expo – Individual	BONES: Biomedical Orthopedic Novel Emergency Splin	Siquijor Provincial Science High School	Ma. Hannah Vie T. Espinosa	Anthoniette O. Gica
10. STEM Innovation Expo – Team	S.H.I.E.L.D.S.: Smart Helmet with Integrated Emergency Lockout and Detection System	Rafael B. Lacson Memorial High School	1. Kent Arjee R. Bagatela 2. John Lester M. Barita	Angelyn T. Santos



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		3. Tristan James V. De La Cruz	
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The official number of delegates in your region is shown in Table 2.

Table 2: Regional Delegates

	Number of Official Delegates
Regional Director/Assistant Regional Director/ Chief Education Program Supervisor (CLMD/CID)/ Regional Science EPS/ Regional/ Mathematics EPS/ Adult Observers	7
Student-researchers	20
Total Number of Official Delegates	27

The official finalists in each category must bring the following during the conduct of the NSTF:

- A regional shirt for the opening program and formal wear for the project presentation and judging, and awarding ceremony;
- A display board following the exhibit format; and
- Endorsement letter signed by the Regional Director.

Additionally, a link to an online drive will be sent to the Regional Science EPS, where the official research entries, regional shoutout videos and the 2x2 photos of the student-researchers shall be uploaded following these filename formats:

For Shoutout:

Region_Shoutout

(e.g. Region1_Shoutout)

For 2x2 Pictures:

Region_Category code_Researcher's Surname_First name_Middle initial

(e.g. Region1_PSI_Delacruz_Juan_J)

Travel expenses of the official delegates shall be charged against local funds, subject to the usual accounting and auditing rules and regulations.

Immediate dissemination of the information is highly directed.