



Republic of the Philippines
Department of Education
REGION IV- A CALABARZON
CITY SCHOOLS DIVISION OF THE CITY OF TAYABAS

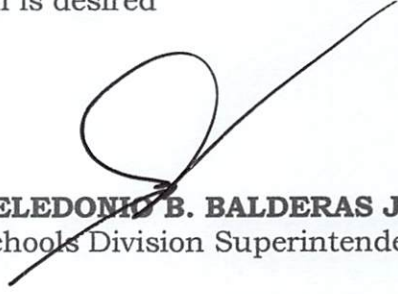
14 September 2026

DIVISION MEMORANDUM
No. 604 s. 2026

2026 DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) WINNERS

To: Assistant Schools Division Superintendent
Chief Education Supervisors
Heads, Public Elementary and Secondary Schools
Heads, Unit/Section
All Others Concerned

1. With reference to Division Memorandum No. 537, s. 2026 titled **2026 Division Science and Technology Fair**, this Office, through the Curriculum Implementation Division, announces the winners in various Science Investigatory Project categories.
2. Thus, the 1st Place winning coaches and contestants per category shall serve as the official Division entry in the **2026 Regional Science and Technology Fair** to be held on **December 14-16, 2026** during the **End-of-Term 2 Block** to be hosted by **Batangas Cluster** at a specific venue to be announced in an official Regional Memorandum.
3. Enclosed is the list of winning coaches and contestants for TUKLAS Life Science, TUKLAS Physical Science, TUKLAS Robotics and Intelligent Machines, TUKLAS Mathematics and Computational Science, and TUKLAS Science Innovation Expo Categories (Enclosure 1), and DSTF Special Awards (Enclosure 2).
4. Widest dissemination of this Memorandum is desired


CELEDONIO B. BALDERAS JR.
Schools Division Superintendent

Encl.: As stated
Reference: DM 537, s. 2026
To be indicated in the Perpetual Index
under the following subjects:

CONTEST

CID- 2026 division science and technology fair (dstf) winners
CIDTT602-003712/September 14, 2026

Enclosure 1

**2026 DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF)
LIST OF WINNING COACHES AND CONTESTANTS**

TUKLAS LIFE SCIENCE CATEGORY

A. Team Category

Project Title	School	Learner-Contestants	Grade Level	Teacher-Coach	Place
In-Vitro Assessment of the Anti-Fungal Activity of the Ethanolic Leaf Extract of Madre de Cacao (<i>Gliricidia sepium</i>) against <i>Rhizoctonia solani</i>	LPIHS	Aljher Geff Obciana	9	Margaret Elaine E. Calvendra	1 st
		Claire Nadine Permalino	9		
		Lovely Sophia Rapal	9		

TUKLAS PHYSICAL SCIENCE CATEGORY

A. Individual Category

Project Title	School	Learner-Contestant	Grade Level	Teacher-Coach	Place
Foca-Bag: Valorization of Gamma-Irradiated Fodder Care (<i>Saccharum spontaneum</i>) for the development of Kraft bag	LPIHS	Sofia Heart Talavera	10	Ladessa P. Oabel	1 st

B. Team Category

Project Title	School	Learner-Contestants	Grade Level	Teacher-Coach	Place
Cylinder Concrete Optimization using Shredded Rubber, Coconut Husk Ash, and Rice Hull as Sustainable Additive	LPIHS	Alliyah Artillera	12	Christine Jane C. Ragos	1 st
		Dennise Escosia	12		
		Karl Allen Saberola	12		
EcoCORE: Eco-Friendly Cementitious Material Optimized with Partial Sand Replacement Using Rice Husk Ash and Eggshell Powder for developing sustainable pavements	WPNHS	Jade Mark Masongsong	12	Shina Reyes	2 nd
		Jenelle Reyes	12		
		Ian Lawrence Delos Santos	12		
Microplastic Content of Tap Water and Drinking Water in Tayabas City	BANHS	Russle David		Kathrin P. Fidelino	3 rd
		Rutaquio	11		
		Danielle Ada Torio	11		
		Ashanna Fhaye Lovendino	11		

TUKLAS ROBOTICS AND INTELLIGENT MACHINE CATEGORY

A. Individual Category

Project Title	School	Learner-Contestant	Grade Level	Teacher-Coach	Place
ERIS: Environmental Real-Time Intelligence System with Geo-Analytics Application for Integrated Spatial Assessment	LPIHS	Michaela Palad	12	Djacver Earnest P. Lim	1 st

B. Team Category

Project Title	School	Learner-Contestants	Grade Level	Teacher-Coach	Place
AIRIS: AI-assisted Web-based Intelligent Statistical Analysis and Research Interpretation System	LPIHS	Theo Dominic Hugo Davy Kiel Rioflorido Izian Alamazon	10 10 10	Donna C. Jabola	1 st

TUKLAS MATHEMATICS AND COMPUTATIONAL SCIENCE CATEGORY

A. Individual Category

Project Title	School	Learner-Contestant	Grade Level	Teacher-Coach	Place
ISAM: IoT-based Soil and Atmospheric Monitoring Device with Random Forest Machine Learning for Data-driven Agricultural Management	LPIHS	Criza Jen Capistrano	12	Joe Victoria B. Daelo	1 st

B. Team Category

Project Title	School	Learner-Contestants	Grade Level	Teacher-Coach	Place
HATIDI: Household and Agri-Market Transactions Interfacing <i>via</i> Digital Integration of Dijkstra, Hungarian, and Apriori Algorithm	WPNHS	Stella Marie Bulala Ivan Juanillo Zaijian Bolfane	12 12 12	Sjerilyn B. Reyes	1 st
AGRIKOT: A Suggestive Mixed-Integer Linear Programming Model for Soil Condition Analysis and Seasonal Crop	LPIHS	Chyna Ang Ma. Alecia Althea Mendez Breindel Wynne Cabuyao	12 12 12	Engr. Jeric M. Mirandilla	2 nd

Rotation using an ESP32-based Solar-Powered IoT Monitoring System					
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TUKLAS SCIENCE INNOVATION EXPO CATEGORY

A. Individual Category

Project Title	School	Learner-Contestant	Grade Level	Teacher-Coach	Place
ASCEND: An IoT-integrated Open Drainage Waste Collection, Compression, and Monitoring System	LPIHS	Ken Alfonz Eguia	12	John Troy C. Durante	1 st
Guro-Band: A Multisensor Closed-Loop Wearable Wristband for Real-Time Physiological Stress Detection and Regulation	WPNHS	Rhain Russell Reyers	12	Aleah Suzanne M. Villanueva	2 nd

B. Team Category

Project Title	School	Learner-Contestants	Grade Level	Teacher-Coach	Place
TERRA: Transportable Eco-Friendly Resource Efficient Agriculture System	LPIHS	Jehiel Limyoco Ezriel Enriquez Mark Rafael Zabalerio	12 12 12	Wilson C. Ramos	1 st
Navi Cane: An AI-enabled Smart Navigation Cane and Voice-Guided Assistance and Emergency Support for Individuals with Visual Impairment	WPNHS	Izzy Caguicla Jhona Dadios Jee-Ann Magsino	12 12 12	Edne D. Matalog	2 nd

Enclosure 2

**2026 DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF)
LIST OF WINNING COACHES AND CONTESTANTS**

SPECIAL AWARDS

A. Team Category

Project Title	School	Learner-Contestants	Grade Level	Teacher-Coach	Awards
In-Vitro Assessment of the Anti-Fungal Activity of the Ethanolic Leaf Extract of Madre de Cacao (<i>Gliricidia sepium</i>) against <i>Rhizoctonia solani</i>	LPIHS	Aljher Geff	9	Margaret Elaine E. Calvendra	Best in Oral and Poster Presentations
		Obciana	9		
		Claire Nadine Permalino	9		
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Foca-Bag: Valorization of Gamma-Irradiated Fodder Care (<i>Saccharum spontaneum</i>) for the development of Kraft bag	LPIHS	Sofia Heart Talavera	10	Ladessa P. Oabel	Best in Oral and Poster Presentations

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Cylinder Concrete Optimization using Shredded Rubber, Coconut Husk Ash, and Rice Hull as Sustainable Additive	LPIHS	Alliyah Artillera	12	Christine Jane C. Ragos	1 st Best in Oral and Poster Presentations
		Dennise Escosia	12		
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EcoCORE: Eco-Friendly Cementitious Material Optimized with Partial Sand Replacement Using Rice Husk Ash and Eggshell Powder for developing sustainable pavements	WPNHS	Jade Mark Masongsong	12	Shina Reyes	2 nd Best in Oral and Poster Presentations
		Jenelle Reyes	12		
		Ian Lawrence Delos Santos	12		

Microplastic Content of Tap Water and Drinking Water in Tayabas City	BANHS	Russle David Rutaquio Danielle Ada Torio Ashanna Fhay Lovendino	11 11 11	Kathrin P. Fidelino	3 rd Best in Oral and Poster Presentations
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