



Republic of the Philippines
Department of Education

REGION IV- A CALABARZON
CITY SCHOOLS DIVISION OF THE CITY OF TAYABAS

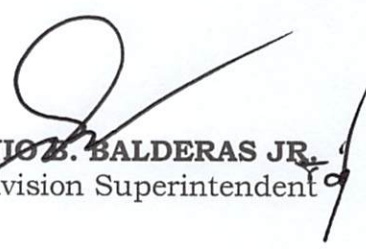
08 October 2025

DIVISION MEMORANDUM
No. **708** s. 2025

2025 DIVISION SCIENCE AND TECHNOLOGY FAIR WINNERS

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

1. With reference to **Division Memorandum No. 536, s. 2025** titled **2025 Division Science and Technology Fair (DSTF)**, this Office, through the Curriculum Implementation Division, announces the winners in various Science Investigatory Project categories.
2. Thus, pursuant to **Regional Memorandum No. 673 s. 2025** titled **2025 Regional Science and Technology Fair (RSTF)**, they shall represent the division in the regional contest to be held on **October 21-23, 2025** at **The Cultural Center of Laguna, Santa Cruz, Laguna**.
3. Enclosed are list of winning coaches and contestants (Enclosure 1), and the 2025 Regional Science and Technology Fair (RSTF) Memorandum (Enclosure 2).
4. Widest dissemination of this Memorandum is desired.


CELEDONIO B. BALDERAS JR.
Schools Division Superintendent

Encl.: As stated

References: Division Memorandum No. 536, s. 2025
Regional Memorandum No. 673 s. 2025

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

CONTEST

CID - 2025 division science and technology fair (dstf) winners
CIDN8JKF-002195/October 08, 2025



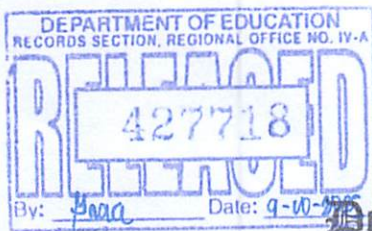
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Website: <https://www.sdotayabascity.ph>

Enclosure 1

LIST OF WINNING COACHES AND CONTESTANTS

EVENT CATEGORY	TITLE OF RESEARCH ENTRY	NAME OF LEARNER/S (First Name/s Middle Initial Last Name)	GRADE & SECTION	COACH (First Name/s Middle Initial Last Name)
Life Science (Individual)	Daikon Radish (<i>Raphanus sativus</i> var. <i>longipinnatus</i>) Leaf Extract Against Salmonella Typhimurium in Raw Chicken Meat	1. Alexa Marielle Reyes	10-Wisdom	Marites V. Jacela
Life Science (Team)	Sodium Alginate and Calcium Chloride as Biofilm to Prolong Post-harvest Shelf Life of Mangosteen (<i>Garcinia mangostana</i>)	1. Krisha F. Andaya 2. Paul Jhondel D. Bacera 3. Alisha Mae A. Bueno	STEM 12-E	Ladessa P. Oabel
Physical Science (Individual)	CACOQUETTE: Comparative Assessment of Heat Efficiency of Cassava (<i>Manihot esculenta</i>) Peel and Corn (<i>Zea mays</i>) Cob Briquettes as an Alternative Charcoal	1. Danica C. Añoiso	STEM 12-A	Wilson C. Ramos
Physical Science (Team)	Solid Cylinder Concrete Blocks Optimization Through Coconut Shell Ash, Shredded PET Plastic, and Wood Ash	1. Chyna A. Ang 2. Ma. Alecia Althea D. Mendez 3. Rhian Gwyneth G. Pagana	ACAD 11-Modesty	Angelica R. Sagocio
Robotics and Intelligent Machines (Individual)	BLOOM: IoT-Based real-time School Lavatory Odor Monitoring Software Application	1. Michaela D. Palad	ACAD 11-Humility	Christine Jane A. Ragos
Robotics and Intelligent Machines (Team)	WIVAI: Web-Based Information Verifier Assisted with Artificial Intelligence	1. Turiano C. De Ramos IV 2. Kient Jharred S. Obeña 3. Krisma Beatrice A. Plasuelo	STEM 12-A	Margaret Elaine E. Calvendra
Mathematics and Computational Science (Individual)	PASAFAIR: Passenger Allocation System and Fare Assessment in a mobile Application Using Dijkstra's Algorithm for Intelligent Routing in Tayabas City	1. Daniel Mico V. Odasco	STEM 12-A	Monica J. Salvan

Mathematics and Computational Science (Team)	Probabilistic Risk Assessment of Rabies Virus Transmission in Tayabas City through Localized Integrated Community-Based Knowledge Tool for Animal-Borne Spread (LICKTAS)	1. Ivan Jhay C. Pasaksak 2. Princess Angela N. Reyes 3. Hasheem Aktar P. Shike	STEM 12-A	Joe Victoria B. Daelo
Science Innovation Expo (Individual)	ViGroS: Vibration-Induced Growth and Soil Health Monitoring System for Enhanced Pechay (<i>Brassica rapa subsp. chinensis</i>) Seed Germination	1. Fazal Akhtar P. Shike	STEM 12-B	Jeric M. Mirandilla
Science Innovation Expo (Team)	IOT-Integrated Mobile App for Real-Time Water pH Regulation and Smart Feeding Management for Recirculating Aquaculture System	1. Shanaiah Margaret A. Buñales 2. Yesha C. Eder 3. Andi Reese Y. Villaverde	Grade 10 Wisdom/Integrity	Wendel R. Mayor



CLMD-RM-2025-673

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27 August 2025




Regional Memorandum
No.673 s.2025

2025 REGIONAL SCIENCE AND TECHNOLOGY FAIR (RSTF)

To **Schools Division Superintendents**

1. Relative to DM 016, s. 2025, regarding the conduct of the National Science and Technology Fair, this Office announces the S.Y. 2025-2026 RSTF with the theme **"Harnessing the Unknown: Powering the Future Through Science and Innovation"** on October 21 to 23, 2025 at Cultural Center of Laguna, Sta. Cruz, Laguna.
2. This activity aims to provide opportunities for public and private junior and senior high school learners to showcase their research projects based on their field of interest and real-world problems, issues, and concerns. It also aims to recognize the most creative and market-viable project addressing major issues in food safety, water conservation, renewable energy, cyber security, road safety, health, disaster mitigation, agriculture, and the environment.
3. The following are the enclosures for reference:
 - a. Enclosure No. 1: Guidelines on the Conduct of 2025 RSTF
 - b. Enclosure No. 2: Timeline of Activities
 - c. Enclosure No. 3: Regional Management Team
 - d. Enclosure No. 4: List of Event Facilitators and Working Committees
 - e. Enclosure No. 5: Terms of References
 - f. Enclosure No. 6: Submission Form for the Official List of Participants
 - g. Enclosure No. 7: Program Matrix
4. Travel, meals, and incidental expenses incurred by participants or official delegates per division shall be charged to local funds or other sources; whereas, all expenses of the Regional Office personnel related to the conduct of the RSTF, board and lodging of the Regional Technical Working Group, official guests, Board of Judges, and winning delegates, materials relative to the activities, prizes, and honoraria of the Board of Judges (BOJ) shall be charged to the Regional Funds and PSF downloaded fund OSEC-4A-25-00615, subject to the usual accounting and auditing rules and regulations.

5. Funds shall be downloaded to the host division to cover the cost of the following:
 - a. board and lodging of RTWG, BOJs, official guests, and winning delegates;
 - b. meals of RTWG, BOJs, and official guests;
 - c. supplies and materials;
 - d. tokens, medals, plaques, and certificates; and
 - e. contingency and other related expenses incurred in the conduct of RSTF.
6. Statement of Expenditures by the host division or region audited by the local Commission on Audit and noted by the Schools Division Superintendent (SDS) shall be submitted to the Chief of Accounting Division, Regional Office a month after the conduct of the activity.
7. For questions and clarifications, please contact **PAUL GENCE L. OCAMPO**, Education Program Supervisor at paul.ocampo@deped.gov.ph or the Chief of the Curriculum and Learning Management Division (CLMD), **VIERNALYN M. NAMA** at (02) 647-7487 loc. 420 or via email @ clmd.calabarzon@deped.gov.ph.
8. Immediate dissemination of this Memorandum is desired.


ATTY. ALBERTO T. ESCOBARTE, CESO II
 Regional Director 

ROC7

Enclosure 1: General Guidelines in the Conduct of the 2025 Regional Science and Technology Fair (RSTF)

GUIDELINES IN THE CONDUCT OF 2025 RSTF

(Reference: School, Division, Regional, and National Science and Technology Fair Guidebook, First Edition)

The procedures for the competition are as follows:

1. The competition is open to Grades 9-12 learners of both public and private high schools in Region IV-A CALABARZON who have not reached the age of 20 on or before May 1 of the current school year.
2. Learners may work individually or in teams with 2-3 members from the same school. Each learner is only allowed to submit one (1) research project in one (1) of the four (4) research categories: Life Science, Physical Science, Robotics and Intelligent Machines, and Mathematics and Computational Sciences. The project should include no more than 12 months of continuous research and should not include research activities performed before January of the previous school year. (e.g., For the school year 2025-2026 with the target opening of classes on July 2025 and ISEF on May 2026, research projects may be accomplished within 1-12 month/s starting from January 2025 to January 2026).
3. The winners in each category of TUKLAS and Innovation Expo in the Division Science and Technology Fair (DSTF) will be screened by the Regional Scientific Review Committee (RRC) via online submission and evaluation of projects through necessary documents and attachments based on the complete guidelines for judging the competition.
4. In addition to item number 3, a video with a span of 3 to 5 minutes must also be submitted for further validation showcasing the process of the Innovation Expo or Tuklas Project with highlights on the research output.
5. The top 10 qualifiers of each category from the initial screening will advance to the Regional Science and Technology Fair (RSTF) for the actual validation, showcasing, and screening of the project. First placers in each category in the Regional Science and Technology Fair (RSTF) will advance to the National Science and Technology Fair (NSTF).
6. Participation in this activity is voluntary and no registration fee will be collected.

Enclosure 2: Timeline of Activities

Timeline of Activities

Activity	Date	Responsible Office / Unit
School Science and Technology Fair	August 2025	Schools, OSDS, and CID
Division Science and Technology Fair	September 2025	OSDS and CID
Online Orientation of Regional Technical Working Group (RTWG) and All Science EPSs	September 23, 2025	CLMD
Online Submission of Official Participants per SDO	October 10, 2025	CLMD
Online Submission and Preliminary Screening of Division Entry for Each Contest Category	October 15, 2025	CLMD and RRC
Announcement of Qualified Entry for the Regional Science and Technology Fair	October 17, 2025	CLMD
Online Solidarity Meeting between RTWG and the Coaches	October 17, 2025	CLMD
Solidarity Meeting with the Division Technical Working Group	October 21, 2025	CLMD, CID
Regional Science and Technology Fair	October 21-23, 2025	CLMD
Final Revision of Winning Entry and Other Entry Requirements	October 24 – November 30, 2025	OSDS, CID, and CLMD
Submission of Revised Research Manuscript to the Regional Office	December 4, 2025	CID and CLMD
Submission of Results and Reports to the Bureau of Curriculum Development	December 12, 2025	CLMD
National Science and Technology Fair	March 2026	BCD

Enclosure No 3: Regional Management Team for 2025 RSTF

Regional Management Team

Terms of Reference	Name	Position
Overall-Chairperson	Atty. Alberto T. Escobarte, CESO II	Regional Director
Overall Vice-Chairperson	Loida N. Nidea	Assistant Regional Director
Management Team Chairperson	Viernalyn M. Nama	CLMD-Chief
Vice-Chairperson Management Team	Paul Gence L. Ocampo	Education Program Supervisor – Science
Member	Virgilio O. Guevarra	Education Program Supervisor – TLE
Member	Eugene Ray Santos	Education Program Supervisor – English
Member	Margaret P. Musa	Education Program Supervisor – Values
Member	Lowiesito O. Erni	Education Program Supervisor – MAPEH
Member	Emelia P. Crescini	Education Program Supervisor – A.P.
Member	Dianne Catherine T. Antonio	Education Program Supervisor – Filipino
Member	Hazel Tesoro	Education Program Supervisor – ELLN
Member	Philips T. Monterola	Regional Coordinator -SPED
Member	Gilbert Cruz	Regional Coordinator - Mathematics
Member	Neal Protacio	Admin Assistant

Enclosure No 4: List of Event Facilitators and Working Committees

List of Event Facilitators

Event	Name of Event Facilitator	Name of Co-Facilitator	Member
Life Science Category (Individual and Team)	Ronaldo Bago	Florante Francisco	Mylen Callos
Physical Science Category (Individual and Team)	Michael Leonard D. Lubiano	Michael William Puna III	Norris Reyes
Mathematics and Computational Science Category (Individual and Team)	Robert John D. Dela Cruz	Benjie Buendicho	Armina Lumibao
Robotics and Intelligent Machines Category (Individual and Team)	Rizza D. Soberano	Ma. Teresa Dela Cruz	Vilma Ching
Science Innovation Expo (Individual and Team)	Erwin R. Abrencillo	Juliet Bulahan	Natividad Sanchez

List of Event Committees

Team Composition	Records and Result Committee	Food Committee	Medical Committee
Chairman	Gilbert Cruz	Philips Monterola	Jerome Mendoza
Co-Chairman	Eugene Ray Santos	Jojo P. Orap	William Asuncion
Member	Margaret P. Musa	Cristina Talambayan	Jerome Mendoza

Team Composition	Program Events and Invitation Committee	Certificate Committee	ICT Committee
Chairman	Paul Gence L. Ocampo	Joseph C. Damian	Neal D. Protacio
Co-Chairman	Virgilio O. Guevarra	Roderica Camacho	Avelyn Advento
Member	Georgen M. Accad	Bonifacio Togado	Mike Jerome Silverio

Team Composition	Registration and Attendance Committee	Stage and Events Area Committee	Documentation Committee
Chairman	Dennis B. Masangcay	Cecilia B. Castillo	Mark Anthony Idang
Co-Chairman	Lucia Pagalanan	Louisito Ernie	Zarina Llarena
Member/s	Ana Reblora	Judith Clemente	Jane Suazo

TERMS OF REFERENCES

A. Records and Results Committee

1. Prepare a secured database for the information of SDO Official Delegates, Regional Technical Working Group, Event Facilitators, and Judges.
2. Devise a mechanism for strategic submission of the results of different events.
3. Coordinate with the certificate committee.

B. Medical Committee

1. Ensure the health and safety of all the RSTF participants.
2. Identify and bring medical supplies needed for the RSTF.
3. Coordinate with the Asset Management Section Head on the availability of medical supplies needed for the RSTF.
4. Provide first aid procedures to the participants if necessary.

C. Certificate Committee

1. Provide awards such as medals, certificate of appearance, certificate of participation and certificate of recognition.
2. Coordinate with records and results committee and registration and attendance committee.

D. Program Events and Invitation Committee

1. Design and distribute the printout of the 2025 RSTF program and invitation.
2. Provide a template to be used for the invitation of judges.
3. Provide all the necessary documents for the procurement of judges' services.
4. Prepare and coordinate to the RTWG the contact number of the billeting quarters for the SDO delegates.

E. Registration and Attendance Committee

1. Prepare and submit the complete and certified registration and attendance Form to the Chairperson of Regional Management Team.
2. Collaborate with records and results committee and certificate committee.

F. Stage and Events Area Committee

1. Collaborate with program committee in designing the stage for the opening program.
2. Prepare the events area.
3. Ensure the cleanliness of the events area.
4. Ensure the safety of the RTW, participants and guest during the conduct of the activity.
5. Assign specific area for the Display Board of the participants.

G. ICT Committee

1. Capture pictures and videos during the activity.
2. Create a secured data hub for the captured video with separated folder for each event category.
3. Provide a 10-minute creative video covering all the activities at RSTF.
4. Manage all the audio and visual presentations during the event.
5. Collaborate with event facilitators and Documentation Committee for the crafting of 2025 RSTF Research Journal.

H. Documentation Committee

1. Capture the highlights of the events.
2. Craft 2025 RSTF Research Journal approved by the Regional Management Team.
3. Coordinate with the RSTF Focal on the updates on crafting 2025 RSTF Research Journal

I. Food Committee

1. Prepare and submit 3 copies/sets of complete and certified meal attendance
2. Devise a strategy for distributing meals and snacks to RTWG and judges.

J. Event Facilitator

1. Facilitate the opening program in their respective events.
2. Check the attendance and eligibility of the learners.
3. Check all the necessary materials and paraphernalia to be used in the event.
4. Ensure the safety of the participants.
5. Facilitate the event activity assigned as per the agenda.
6. Ensure that the event stays on schedule and that participants are engaged.
7. Encourage participation, interaction, and knowledge sharing among attendees.
8. Address any issues or challenges that arise during the event.
9. Maintain a positive and inclusive atmosphere for the event assigned.

K. Event Co-Facilitator and Member

1. Assist the event facilitator in all its duties.
2. Act as timekeeper.
3. Assist the judges in the event.
4. Act as documenter and submit pictures and videos to the head of the documentation committee.
5. Prepare the scoresheets (electronic and printed) to be used by the judges.
6. Collaborate with record and results committee.

L. Judges

1. Evaluate the output of the learners using the BOJ Project evaluation form.
2. Provide feedback review and recommendations both for winning and non-winning entry.
3. Submit the official result to the records committee.

Enclosure No. 6: Form for the Official List of Participants

LIST OF PARTICIPANTS

Division: _____

DSTF Focal Person: _____ CP. Number: _____

Facebook Name: _____ Email Address: _____

EVENT CATEGORY	Title of Research Entry	NAME OF LEARNER	GRADE LEVEL	COACH
Life Science Category (Individual)		1.		
Life Science Category (Team)		1.		
		2.		
		3.		
Physical Science Category (Individual)		1.		
Physical Science Category (Team)		1.		
		2.		
		3.		
Robotics and Intelligent Machines Category (Individual)		1.		
Robotics and Intelligent Machines Category (Team)		1.		
		2.		
		3.		
Mathematics and Computational Science Category (Individual)		1.		
Mathematics and Computational Science Category (Team)		1.		
		2.		
		3.		
Science Innovation Expo (Individual)		1.		
Science Innovation Expo (Team)		1.		
		2.		
		3.		

Enclosure No. 7: Program Matrix

TIME	Day 0 October 21, 2025
8:00 – 12:00	Venue Preparation
12:00 – 1:00	Lunch Break
1:00 – 5:00	Coordination Meeting with the Division Technical Working Group
	Venue: Cultural Center of Laguna

TIME	DAY 1 October 22, 2025				
7:00 – 8:00	Registration				
8:00 – 9:30	Opening Program (Cultural Center of Laguna)				
9:30 – 10:00	Health Break				
Research Paper Presentation Venue: (Sta. Cruz Central Elem. School)					
10:00 – 12:00	Life Science Category (Individual)	Physical Science Category (Individual)	Mathematics and Computational Science Category (Individual)	Robotics and Intelligent Machines Category (Individual)	Science Innovation Expo (Individual)
12:00 -1:00	Lunch Break				
1:00 – 3:00	Life Science Category (Team)	Physical Science Category (Team)	Mathematics and Computational Science Category (Team)	Robotics and Intelligent Machines Category (Team)	Science Innovation Expo (Team)
Judging of Display Board Presentation					
3:00 – 4:00	Life Science Category (Individual)	Physical Science Category (Individual)	Mathematics and Computational Science Category (Individual)	Robotics and Intelligent Machines Category (Individual)	Science Innovation Expo (Individual)
4:00 – 5:00	Life Science Category (Team)	Physical Science Category (Team)	Mathematics and Computational Science Category (Team)	Robotics and Intelligent Machines Category (Team)	Science Innovation Expo (Team)
5:00 – 6:00	Consolidation and Deliberation of Results				
6:00 – 8:00	Cultural Exchange (Mix Night) and Closing Program				

2025 RSTF MATRIX OF ACTIVITIES

TIME	DAY 2 October 23, 2025
8:00 – 9:00	RRC Feedback Review and Recommendations for the NSTF Qualifiers
9:00 – 10:00	
10:00 – 10:30	Health Break
10:00 – 11:00	RRC Feedback Review and Recommendations for the NSTF Qualifiers
11:00 – 12:00	
12:00 – 1:00	Lunch Break
1:00 – 2:00	RRC Feedback Review and Recommendations for the NSTF Qualifiers
2:00 – 3:00	
3:00 – 3:30	Health Break
3:30 – 4:00	RRC Feedback Review and Recommendations for the NSTF Qualifiers
4:00 – 5:00	Ways Forward