



Republic of the Philippines
Department of Education
 Region XII
 Schools Division Office of Tacurong City

November 25, 2024

DIVISION MEMORANDUM

CID No. 156 s. 2024

OFFICIAL RESULTS OF THE 2024 DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) AND MATHEMATICS OLYMPICS (MO)

To: Assistant Schools Division Superintendent
 Chief EPS (CID & SGOD)
 Education Program Supervisors
 Cluster Heads
 Elementary and Secondary School Administrators
 Public and Private
 This Division

1. This Office, through the Curriculum Implementation Division (CID) is pleased to announce the official results of the 2024 Division Science and Technology Fair and Mathematics Olympics held at Tacurong National High School, New Isabela, Tacurong City, last November 19, 2024.

2. The following events and results are listed below for reference.
 A. Science and Technology Fair

LIFE SCIENCE- TEAM				
Participants	Coach	Project Title	School	Rank
1. Ferlene Grace R. Beje 2. Cartagena G. Julie Ann 3. Elene Demer G. De Jesus	KIM ROI L. Cipriano	Insects and Arachnids: Arthropod Diversity and Significance on Selected Rice Fields Subjected to Different Chemical Inputs in Brgy. Lagao, Tacurong City	TNHS – STEM SHS	1
1. Sara Nhelen T. Biag 2. Patrizia Angela P. Claudio 3. Kristel Cassandra Remedios	Mariegold Ann J. Japitana	A Comprehensive Investigation of Katsubong (<i>Datura metel var. Fastuosa L.</i>) and Its Influence on Hematological Parameters, Specifically, Platelet Count	THNHS – STE JHS	2



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1. Leejan Heart J. Liza 2. Erich Chloe L. Alvarado 3. Candice Sofia R. Sibayan	Alfie Gardose	Synergistic Antibacterial Activity of Alugbati (<i>Basella alba</i>), Garlic (<i>Allium sativum</i>), and Guava (<i>Psidium guajava</i>) Extract Against Escherichia coli (<i>E. coli</i>)	TNHS-STE JHS	3
LIFE SCIENCE -INDIVIDUAL				
1. Princess Ashley L. Oro	Ryan Marco F. Guillermo	Beyond the Frond: Exploring Pteridophytes Diversity in Selected Palm Oil Plantations of Tacurong City, Sultan Kudarat	TNHS-STEM SHS	1
1. KYM Castillo	Shaina J. Bautista	MICROPLASTIC Contamination in Shrimp Sold in Wet Markets of Tacurong City, Sultan Kudarat	TNHS - STEM SHS	2
1. Audrey Jen L. Campomanes	Alfie Gardose	Exploring the Impact of Fermented Rice Wine (Tapuy) on the Morphology and Morphometrics of Red Blood Cells	TNHS-STE JHS	3
PHYSICAL SCIENCE - TEAM				
1. Justine D. Campaan 2. Heart Arjean E. Arzagon 3. Seth Martino Miguel B. Caang	Precious Joy A. Canuto	Biochas: Biogas Collection System for Household Consumption Utilizing Liquified Biodegradable Home Waste	TNHS-STE JHS	1
1. Michael Ganayo IV 2. Gian Carlo Gevero 3. Lewis Delgado	Precious Joy A. Canuto	Tesselated Hexagonal Pet Plastic as Clear Roof Panels	TNHS-STE JHS	2



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1. Jessie Marie D. Dadivas 2. Princes Angel S. Arcena 3. Marea Keisha Fayeth t. Fernando	Precious Joy A. Canuto	Trichanthera Gigantea (madre de agua), Moringa olifera (Malunggay), Azolla pinnata (Mosquito Ferns), and Cucurbita maxima l. (Squash) as a Potential Chicken Food Powdered Supplement	THNS - STE JHS	3
PHYSICAL SCIENCE - INDIVIDUAL				
1. Anica Ellaine F. Limbungan	Precious Joy A. Canuto	Oryza sativa L. (Rice Straw) And Coffee Residue As Smoke Adsorption Pads in Domestic and Commercial Environments	TNHS- STE JHS	1
ROBOTICS AND INTELLIGENT MACHINE (RIM) TEAM				
1. Clintkris Jeremy O. Nietes 2. Princess Jellian C. Pirote 3. Santino C. Barte	Jezreel L. Fulgencio	SMART HealthMate: Self-Service Kiosk for Real - Real-Time Body Mass Index (BMI) Computation, Synergistic with Health Data Analysis Apps For Personalized Wellness Guidance	TNHS- STE JHS	1
1. Nash Gemar B. Pama 2. Precious Anne B. Yasin 3. Sean G. Ysrael	Mercy L. Lozano	EDetect: Intelligent Crash Detection and Emergency Response	TNHS- STEM SHS	2



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1. Jasper Haytham Zane S. Delantar 2. Kaye O. Reyes 3. Joylene B. Tabian	Vicente B. Labadia Jr.	STEPHY: Localized AI Chatting System for Rural Areas in their Subjects	TNHS-STE JHS	3
ROBOTICS AND INTELLIGENT MACHINE (RIM) - INDIVIDUAL				
1. Zaira Nicca T. Apresto	Jezrell L Fulgencio	Hydropilot: Enhancing Aquaculture Through Remote-Controlled Water Quality Surveillance and Tilapia Habitat Forecasting	TNHS-STE JHS	1
2. Rafael Hussain I. Guadalquiver	Leizel G. Castaño	ECObytes: Wi-Fi Vendo Machine with Integrated Machine Learning and Image Processing Sorting System Using Recyclable Garbage Deposits	TNHS-STEM-SHS	2
SCIENCE INNOVATION -TEAM				
1. Prince Charl L. Diaz 2. Ella Mae L. Garde 3. Grace G. Alieza	Kim Roi L. Cipriano	One Tap: Alert System For Emergency Response	TNHS-STEM SHS	1
1. Glen Jediah E. Achivar 2. Valerie Marie B. Lafuente 3. Althea Samantha S. Albarda	Johna Jane C. Fuentes	Piezoelectric Generator Power for Electric Fam	TNHS-STE JHS	2
1. Ysua Anthagony Palomo	Johna Jane C. Fuentes	Scan: Smart Cart with Autonomous Navigation	TNHS-STE JHS	3



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2. Jephthah Khan J. Villamor Jr.		and Barcode Scanning for Efficient Shopping		
3. Blouis H. Tucayao				
SCIENCE INNOVATION - INDIVIDUAL				
1. Rubin Faye Lucille O. Cerbo	Johna Jane C. Fuentes	HeathNav Bud: Health Monitoring and GPS Navigation With Webpage Application	TNHS-STE JHS	1
MATHEMATICAL AND COMPUTATIONAL SCIENCE - INDIVIDUAL				
1. Fred Charles B. Decdican	Renato P. Escobillo	Formula Red: Formulas in Finding the Area of the Shaded Region Between Circle and Triangle of an Inscribed and Circumscribing Circle to a Triangle	TNHS-STE JHS	1

B. MATHEMATICS OLYMPICS

1. INDIVIDUAL QUIZ

Participants	Coach	Project Title	School	Rank
Key Stage 1				
Ava Lyanna T. Enriquez	Efren Penol	2024 Mathematics Olympics-Individual Quiz	Rockfort	1
Ximon Romeo B. Dagaang	Kelven Jim D. Galindo		TPES	2
Aydin C. Dima	Arminda P. Macasama		TPES	3
Rey Den C. Meriales	Hazel Joy E. Ausan		CGM	4
Hasmin Kaur J. Singh	Maricel Dimacale		MAMMES	5
Key Stage 2				



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Alecs Andrea Carvajal	Joy Ann A. Botavara	2024 Mathematics Olympics-Individual Quiz	NDTCGS	1
Darwin Matt Hendrix G. Palmes	Isidro Carvajal		TPES	2
Kiersten Rayne C. Manalastas	Efren L. Penol		Rockfort	3
Rowee Celine F. Palmes	Imelda C. Rotaquio		SEES	4
Neil A. Talamor	Quenie Q. Lamintao		DMJMCS	5
Key Stage 3				
Keith Matthew T. Agduma	David Jess F. Rivera	2024 Mathematics Olympics-Individual Quiz	TNHS	1
Zhu-Ira Gumaga	Jonylle Ira D. Vergara		Rockfort	2
Myles Kaela R. Fagutao	Clarissa C. Diaz		TNHS	3
Frances Gianne H. Silvestre	Elbeth G. Braselino		TNHS	4
Shaina Jane m. Sagabaen	Cindy S. Lampiernes		CGM	5
Key Stage 4				
Lourenz R. Pascua	Roy Florenz Aposaga	2024 Mathematics Olympics-Individual Quiz	TNHS	1
Noron O. Guindale	Rhoda Mae T. Agaylan		RMNHS	2
Joshua Paolo O. Catalan	Bonita Roche		TNHS	3
Mecca Ella I. Cella	Shena O. Delencia		TNHS	4
John Gabriel G. Garde	Paul Ruelan		TNHS	5
2. TEAM QUIZ				



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Key Stage 1				
1. Dhaniela Fabian 2. Sittie Shahema Gumaga 3. Althea Abegail De Felipe	Jomel C. Frias	2024 Mathematics Olympics-Team Quiz	NDTCGS	1
Key Stage 2				
1. Ella Sofia Santig 2. Stephanie Angel Chiva 3. Ellena Sophia Evacuado	Jomel Joy Ann A. BotavaraFrias &	2024 Mathematics Olympics-Team Quiz	NDTCGS	1
Key Stage 3				
1. Mujeeb Rashard M. Maulana 2. Jasmine Nicile V. Marquez 3. Janelle G. Guinanao	Minda Sobrestante	2024 Mathematics Olympics-Team Quiz	St. Benedict	1
Key Stage 4				
1. Sadhan K. Zacaria 2. Leyro T. Eregarle 3. Saleh Y. India	Felix G. Bernardo Jr.	2024 Mathematics Olympics-Team Quiz	Rockfort	1

3. Only the first- and second-place winners in the five categories of the DSTF, the Top Five (5) of the individual quiz, and the top one (1) of the team quiz of the DMO will qualify for the 2024 Regional Science and Technology and Mathematics Olympics on December 13 – 14, 2024, which will be hosted by the Schools Division Office of Koronadal City.

4. Student researchers and coaches of the qualified research and innovation projects and the members of the Division Scientific Review Committee (DSRC) will convene on November 25, 2024, at 2:30 in the afternoon at the Tacurong National High School Junior High School Laboratory Room to conduct the final evaluation of the different required forms to be attached to the manuscripts.

5. The deadline for the submission of the electronic copies of the research



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manuscripts to the provided link of the region will be on November 29, 2024.

6. Should there be clarifications or concerns, contact the Curriculum Implementation Division (CID) through telephone number 064-562-4880.
7. For your information, guidance, and compliance.


GILDO G. MOSQUEDA, CEO VI
Schools Division Superintendent



Encl: None

Allotment: 1-2-3-4 (D. O. 50, '97)

Reference: RM No. CLMD-2024-381

To be indicated under the perpetual index under the following subjects:

COMPETITION

MATHEMATICS

SCIENCE

REP/RLB/CID/DM/Official Results of the 2024 Division Science and Technology Fair (DSTF) and Mathematics Olympics (MO)/November 29, 2024



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