



Republic of the Philippines
Department of Education
REGION XI
SCHOOLS DIVISION OF DIGOS CITY

OFFICE OF THE SCHOOLS DIVISION SUPERINTENDENT

DIVISION MEMORANDUM

CID-2025-126

To : **CID Chief**
PSDS Concerned
School Head Concerned (DiCNHS)

Attention: **JEAN W. HERNAN**
Coach / Master Teacher – I

Subject : **SUBMISSION OF REGIONAL ENTRIES FOR THE SCIENTIFIC REVIEW COMMITTEE (SRC) MEETING**

Date : **JANUARY 24, 2025**

With reference to Regional Memorandum CLMD-2024-818 dated December 4, 2024 on Official Results of the 2024 Regional Science and Technology Fair (RSTF) 2025 and in compliance with DepEd Memorandum DM-CT-2025-014 dated January 22, 2025 on the conduct of the Scientific Review Committee (SRC) Meeting for the National Science and Technology Fair (NSTF) S.Y. 2024 - 2025, as well as the Advisory on the Extension of Deadline for the Submission of Regional Entries for the Scientific Review Committee Meeting, this Office directs Mrs. Jean W. Hernan (Coach) to submit the required documentary requirements for the 1st Place Winner of the Regional Science and Technology Fair (RSTF) to DepEd Region XI Office within the prescribed deadlines.

As stipulated in the above-mentioned Advisory, the deadline for the online submission of soft copies of the required documents has been extended to January 26, 2025. However, to ensure timely processing of the entries, the winning entries must be submitted no later than January 25, 2025. Additionally, the hard copies of the required documents must be submitted to the DepEd Regional XI Office on January 25, 2025.

Mrs. Hernan is advised to refer to the attached enclosure for the important details concerning the said activity. It is imperative to adhere to the guidelines and procedures outlined in the attached documents to ensure accurate and complete submissions.

For further inquiries or clarifications, you may coordinate with the Schools Division Office or contact Dr. Ivy F. Solano via email at ivy.solano@deped.gov.ph or directly reach out to the DepEd Regional XI Office.

Travel expenses relative to her submission of documents shall be charged against local funds, subject to the usual government accounting and auditing rules and regulations.

Your immediate compliance with this directive is expected.

DepEd Schools Division of Digos City
RECORDS SECTION

RELEASED
DATE: JAN 27 2025 TIME: 2:44pm

Melanie P. Estacio
MELANIE P. ESTACIO, PhD, CESO VI
Schools Division Superintendent

Enclosed: As stated.
CID/ifs

BY: *[Signature]*



Address: Roxas Street cor. Lopez Jaena Street, Zone II, Digos City 8002
Telephone No: (082)553-8396 | (082)553-8376 | (082)553-9170
| (082)553-8375



Republic of the Philippines
Department of Education
BUREAU OF CURRICULUM DEVELOPMENT

ADVISORY
ON THE EXTENSION OF DEADLINE FOR THE SUBMISSION OF REGIONAL
ENTRIES FOR THE SCIENTIFIC REVIEW COMMITTEE MEETING

In line with the DepEd Memorandum (DM-CT-2025-014) dated January 22, 2025 on the conduct of the Scientific Review Committee (SRC) Meeting for the National Science and Technology Fair (NSTF) S.Y. 2024 – 2025, please be advised that the online submission of pertinent documentary requirements of the 1st place winners from the Regional Science and Technology Fair (RSTF) is extended from **January 21, 2025** to **January 26, 2025**.

Please refer to the attached procedures on the submission of the soft and hard copies of the required documents.


NEIL VINCENT C. SANDOVAL
Chief Education Supervisor &
Officer-in-Charge, Office of the Director IV
Bureau of Curriculum Development



Republic of the Philippines
Department of Education
BUREAU OF CURRICULUM DEVELOPMENT

Procedures for Submitting Soft and Hard Copies of Manuscripts

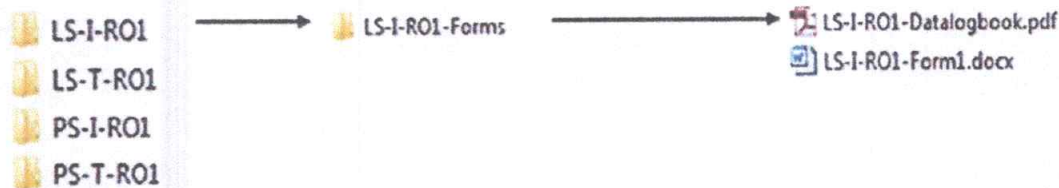
A. Soft copies

1. Create a OneDrive Folder:
Name the folder using this convention: NSTF-SRC-RO (e.g., NSTF-SRC-RO1).
2. Organize by Category:
Create a subfolder for each category as outlined in the tables below.
3. Upload Documents:
Place all necessary documents in their respective subfolders. See list below.
4. Send the OneDrive Folder Link to: nstf@deped.gov.ph
CC the following:
 - a. jiosver.temporal@deped.gov.ph
 - b. lilia.lagrimas@deped.gov.ph
 - c. george.labayog@deped.gov.ph

Note: The NSTF team will acknowledge receipt of your submission. If you do not receive an acknowledgment, you may do a follow up.

PROJECT LABELING AND CODING

FOLDER CODE	CONTENT OF THE FOLDER	SAMPLE CONTENT OF THE FOLDER FOR FORMS
LS-I-R01 <i>*Life Science-Individual-Region</i>	Manuscript: LS-I-R01-School Name	
	Folder Containing the Needed Forms	LS-I-R01-Form1
	LS-I-R01-Forms <i>*Name of the folder where all the soft-copies of the necessary forms are found</i>	LS-I-R01-Form2 LS-I-R01-Logbook





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CODES	COLOR CODING
LS-I	GREEN
LS-T	YELLOW
PS-I	BLUE
PS-T	ORANGE
RIM-I	PINK
RIM-T	BROWN
MCS-I	RED
MCS-T	PURPLE
STEMIE-I	BLACK
STEMIE-T	WHITE

B. Hard copies

1. When will be the deadline for submission of one (1) hardcopy of the manuscript per entry?

Regions are advised to submit the manuscripts not later than February 7, 2025.

2. To whom will the hardcopies be submitted?

Bureau of Curriculum Development:

Neil Vincent C. Sandoval

Chief Education Supervisor

Officer-in-Charge, Office of the Director IV

Bureau of Curriculum Development

Attention: **Jios Ver D. Temporal**

Senior Education Program Specialist

Bureau of Curriculum Development

3. What is the mailing address of BCD?

3rd Floor Bonifacio Building, DepEd Complex, Meralco Avenue,
Pasig City, 1600

4. What is the size of the bond paper?

A4 size.

5. What are the forms to be submitted?

Refer to the table below:



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TYPE OF FORM	WHO WILL FILL OUT?	WHEN TO FILL OUT?	WHEN IT IS REQUIRED?
Form 1 - Checklist for Adult Sponsor	Research Adviser	Before experimentation	Required for all Projects
Form 1A - Student Checklist	All student researchers	Before experimentation	Required for all Projects
Form 1B - Approval Form	All student researchers	Before experimentation	Required for all Projects
Research Plan/Project Summary	All student researchers	Before experimentation	Required for all Projects
Form 1C - Regulated Research Institution/ Industrial Setting Form	Adult supervising	After experimentation	Required if research conducted in a regulated research institution, industrial setting or any work site other than home, school or field
Form 2 - Qualified Scientist Form	Qualified Scientist/ Adult Supervising	Before experimentation	Required if research involving human participants, vertebrate animals, potentially hazardous biological agents and hazardous
Form 3 - Risk Assessment Form	Student Researcher/s Qualified Scientist/ Adult Supervising	Before experimentation	Required for all Projects
Form 4 - Human Participants Form	Student Researcher/s Institutional Review Board	Before experimentation	Required if research involves human participant <i>*if in a regulated research institution use institutional approval forms</i>
Form 4A - Human Informed Consent Form	Student Researcher/s	Before experimentation	Required if research involves human participant
Form 5A - Vertebrate Animal Form	Student Researcher/s Scientific Review Committee Veterinarian Designated Supervisor Qualified Scientist	Before experimentation	Required for all research involving vertebrate animals that is conducted in a school/home/field research site



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Form 5B – Vertebrate Animal Form	Student Researcher/s Qualified Scientist	Before experimentation	Required for all research involving vertebrate animals that is conducted in Regulated Research Institution
Form 6A – Potentially Hazardous Biological Agents Risk Assessment Form	Student Researcher Qualified Scientist/Designated Supervisor Scientific Review Committee	Before experimentation	Required for research involving microorganisms, rDNA, fresh/frozen tissue (including primary cell lines, human and other primate established cell lines and tissue cultures), blood, blood products and body fluids.
Form 6B – Human and Vertebrate Animal Tissue	Student Researcher Qualified Scientist/Designated Supervisor	Before experimentation	Required for research involving fresh/frozen tissue (including primary cell lines, human and other primate established cell lines and tissue cultures), blood, blood products and body fluids. If the research involves living organisms, please ensure that the proper human or animal forms are completed.
Form 7 – Continuation/ Research Progression Projects Form	Student Researcher	Before experimentation	Required for projects that are a continuation/ progression in the same field of study as previous project.



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Department of Education
 DAVAO REGION

DepEd Schools Division Office - Davao City
 RECORDS SECTION



RECEIVED

70248

DEC 06 2024

TIME: 1:17 PM

BY:

December 4, 2024

REGIONAL MEMORANDUM
 CLMD-2024-818

**OFFICIAL RESULTS OF THE 2024 REGIONAL SCIENCE AND
 TECHNOLOGY FAIR (RSTF)**

To: Schools Division Superintendents
 All Others Concerned

1. This Office through the Curriculum and Learning Management Division (CLMD) congratulates the top winners of the 2024 Regional Science and Technology Fair (RSTF) held on November 28-30, 2024, at Nabunturan National Comprehensive High School, Poblacion Nabunturan, Davao de Oro.
2. Enclosed are the official results for: a. Tuklas (Research Project Fair) - Individual and Team Categories b. Innovation Expo (Gawad AgliTekno) - Individual and Team Categories c. Elementary Level Science Investigatory Project - Individual and Team Categories d. Special Awards
3. Only Rank 1 regional winners in each Tuklas and Science Innovation Expo category will represent the National Science and Technology Fair (NSTF) in March 2024.
4. A separate memorandum will detail the schedule for regional cliniquing, mentoring, and coaching of research papers for the National Science and Technology Fair.
5. For any information or clarification regarding the Regional Science and Technology Fair results, interested parties may contact Dr. Mary Jeanne B. Aldeguer, Chief Education Supervisor, or Dr. Maria Liza I. Berandoy, Education Program Supervisor, both from the Curriculum and Learning Management Division (CLMD).
6. Immediate dissemination of this Memorandum is desired.

DEPARTMENT OF EDUCATION - DAVAO REGION

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RELEASED

BY:

Date:

Time:

Dec. 06, 2024
 4:29 PM

ALLAN G. FARNAZO
 Director IV

Encl.: As stated
 ROC2/mlib



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Enclosure of the Official Results of the 2024 Regional Science and Technology Fair

a. Tuklas (Research Project Fair)

Life Science – Individual Category					
Rank	Title	Proponent	Coach	School	Division
1	VALKYRIE: Behavioral and In-Silico Analysis of the Neuroprotective Properties of Ascorbic Acid Carbon Quantum Dots via Protein-Ligand Intersections with GSK-3 β and SOD Homologues in Invertebrate Models	Xamantha Raine P. Gomba	Joshua Ymmanuelle C. Getigan	Davao City National High School	Davao City
2	Anticancer Evaluation of Paco Fern (<i>Diplazium esculentum</i>) Extract Against HCT116 Human Colorectal Cancer: Chorioallontoic Membrane (CAM) Assay, Multiphasic Liquid Partitioning, MTT Assay and Pharmacokinetic Analysis for Drug Development	Triniti Sherry P. Fuentes	Sherwin S. Fortugaliza, Ph.D.	Davao City National High School	Davao City
3	Hypolipidemic Effect of Turkey Tail Mushroom (<i>Trametes versicolor</i>) nad Lumpy Bracket Mushroom (<i>Trametes gibbosa</i>) to Fruit Fly (<i>Drosophila melanogaster</i>)	Ave Stephanie M. Devilleres	Rheider Jan T. Bartolini	Sta. Cruz National High School	IGACOS
4	DUMB CANE (<i>Dieffenbachia seguine</i>) Leaf Extract as Biopesticide Against Banana	Dwayne Alido Fugoso	Nhielmar D. Gutib	Sto. Tomas National High School	Davao del Norte



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	Mealybugs (<i>Pseudococcidae elisae</i>) In Cavendish Banana (<i>Musa acuminata</i>)				
5	Enhancing Chili Plant Growth: The Role of Pulverized Leftover Chicken Bones and Seagrapes Extract as Fertilizer on Chili Plant	Krizzia B. Flores	Jealeah T. Hayahay	Sulop National High School	Davao del Sur

Life Science – Team Category					
Rank	Title	Proponent	Coach	School	Division
1	ARABITECT: Microwave Assisted Green Synthesis of Graphene Oxide Quantum Dots from <i>Coffea arabica</i> L. as Fluorescent Probe with Cytotoxic Effects for Selective and Sensitive Detection of HCT166 Human Colon Adenocarcinoma	Gared Arthur S. Tribunalo, Mari Angeline V. Dejucos, Myer Angela S. Gulayan	Paulo D. Prudente	Daniel R. Aguinaldo National High School	Davao City
2	ASCLEPIUS: Anticancer Evaluation and Angiogenic Inhibition of Atis (<i>Annona squamosa</i> Linn.) Seed Extract Against A549 Human Lung Adenocarcinoma through CAM Assay, MTT Assay, and Pharmacokinetic Analyses	Juliah Bless E. Bontilao, Niña Kate T. Garrido, Kiara Leigh L. Manzo	Sherwin S. Fortugaliza	Davao City National High School	Davao City
3	Antibiotic Resistance Profiles of Methicillin- Resistant <i>Staphylococcus aureus</i> in Subclinical Mastitis Across	Miguel Noel P. Albano, Hermione Marey T. Esmael,	Henry F. Haranay	Tagum City National High School	Tagum City



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	Commercial and Backyard Farms in Tagum City	Miguel Luis C. Locsin			
4	Gmelina (<i>Gmelina arborea</i>) Leaf Extract as Potential Insecticide to Adult Rice Black Bug (<i>Scotinophara coarctata</i>) in Rice Crops	John Randy Rhee N. Monteza Cybel Jiazhen Natavio Thyra Kiss U. Parasiso	Maricris T. Rosete	Digos City National High School	Digos City
5	Phytotoxic Effects of Biogenic Silver Nanoparticles from <i>Piper siriboa</i> L. (Mamá) Ethanolic Leaf Extract Against <i>Radopholus similis</i>	Jenia Shane Palar Shania Waling Sarabello Liesli C. Dayag	Aladen S. Varquez, MASE	Don Marcelino National High School	Davao Occidental



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Physical Science – Individual Category					
Rank	Title	Proponent	Coach	School	Division
1	PEELion: Non-toxic One-pot Synthesis of Carbon Quantum Dots from Pomelo (<i>Citrus maxima</i>) Peel Waste as a Polychromatic Fluorescent Probe for Acute and Astute Detection of Cu^{2+} , K^{+} , Ca^{2+} , & Mg^{2+}	Reyna Claire C. Dizon	Paulo C. Prudente	Daniel R. Aguinaldo NHS	Davao City
2	HYDRA: Nanocellulose Biofilms as a Platform for the Advanced Integration of CNOs, CQDs, CaCO_3 Microspheres, and Anthocyanins for Multifunctional Applications	Mark Edward L. Adlawan	Joshua Ymmanuelle C. Getigan	Davao City NHS	Davao City
3	Optimizing Biofuel Production from River Green Algae (<i>Spirogyra adornata</i>) Using Asian Green Mussel (<i>Perna viridis</i>) Shell as Catalyst	Mayzie S. Edoloverio	Edmer F. Aguilar	Carmen NHS	Davao del Norte
4	SeaGuard: Developing a Water-Responsive Life Jacket with Manual Inflation and GSM Connectivity for Enhanced Fisherman Safety	Jay Norman H. Dimpas	Lorie Mae A. Babiera	Davao Oriental RSHS	Mati City
5	The Potential of Water Silk (<i>Spirogyra spp.</i>) Extract Bio-inhibitor Derived from Bioactive Compounds and Ethanol ($\text{CH}_3\text{CH}_2\text{O}$) as Corrosion (Fe_2O_3) Preventive Agent in Metal Surfaces	Jerna Kisha H. Cemine	Lhester Jay U. Salao	Atty. Orlando S. Rimando NHS	Davao de Oro



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Physical Science – Team Category					
Rank	Title	Proponent	Coach	School	Division
1	SEAGEL: Synthesis of Hydrogel Scaffold from Plicate Conch (<i>Strombus labiatus</i>) Shell's Calcium Carbonate (CaCO_3) with Milkfish (<i>Chanos chanos</i>) Scale's Collagen and Chondroitin Sulfate from Squid (<i>Uroteuthis duvaucelii</i>) for Enhanced Cartilage Regeneration	Florendo III C. Agustinez Juliana Xevina R. Balnaja Angela V. Ferrel	Sherwin S. Fortugaliza	Davao City NHS	Davao City
2	Waste Valorization: Gas Chromatography-Mass Spectrometry Analysis of Modified Spent Caustic from the Decomposition Reaction of Stoichiometric Hydrogen Isotopes	Kristal Grace R. Raganas Theresa Fatima A. Mandin	Rygin March N. Ibale, EdD	New Bataan NHS	Davao de Oro
3	CHIMERA: Novel Green Synthesized Nitrogen-Embedded Carbon Quantum Dots for Ultraviolet Radiation Attenuation Tint and Optoelectronic Anti-Counterfeit Ink via Size-Dependent Photonic Signature Emission	Danielle Marie S. Remulta Daniella Elija A. Tapia Zephaniah J. Zulita	Joshua Ymmanuelle C. Getigan	Davao City NHS	Davao City
4	Mycelium-Based Composite (MBC) from <i>Ganoderma lucidum</i> and Coconut Coir Fibers as a Potential Sustainable alternative to Polysterene Packaging	Honey Krizyl S. Melchor Hermes O. Bordios III	Erick Venn R. Rollon	Tagum City NHS	Tagum City
5	Performance Analysis of Coconut Lumber Ash as Partial Cement Additive in Masonry: A	Cristine Faith M. Lasay	Ginette C. Depra	Atty. Orlando S. Rimando NHS	Davao de Oro



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	Sustainable Approach to Construction	Keziah Lorraine T. Lasib Veronica Grace D. Paring			
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Robotics and Intelligent Machines – Individual Category					
Rank	Title	Proponent	Coach	School	Division
1	AI-Driven Physicochemical Monitoring System Integrated to a Solar-Powered Rainwater Purifier	Maria Margarette D. Saban	Jean W. Hernan	Digos City National HS	Digos City
2	POSEIDON: An AI-Controlled Aquatic Weeder Using a Novel Extermination Mechanism and Deep Learning AI Vision to Detect, Navigate, and Mitigate Common Water Hyacinth (Pontederia crassipes) Infestations	Rhon Bethel R. Segampong	Regie P. Rodrigo	Daniel R. Aguinaldo National HS	Davao City
3	WoPal: An AI-Powered Diagnostic Robot Using TensorFlow Lite Convolutional Neural Network (CNN) to Manage Wounds	Adrian Jacob C. Mariano	Pearl Monette C. Ang	Mariano Peralta National HS	Davao Occidental
4	Alarm and Sensing Device for Fry Saline Tilapia (Tilapia molobicus) Hatchery pH Level and Temperature Monitoring System	Julia Riz A. Senajon	Albert M. Hermosisima	Digos City National HS	Digos City
5	Project Uni: An Approach to Sea Urchin Detection and Population Analysis in Samal Island	Maria Krischel J. Quiban	Jennifer E. Rivera	Nieves Villarica National HS	IGACOS

Robotics and Intelligent Machines – Team Category					
Rank	Title	Proponent	Coach	School	Division
1	Thinking, Interactive, Neural Assistant (Tina): A Multi-Purpose Humanoid Robot	James Zedric Pandarawan, Gabriel Paul B. Pacatang, Dwyne Zildren A. Go	Ben Jay-Me G. Seguritan, Cheryl Jean D. Coritico	Mapua Malayan Colleges Mindanao	Davao City



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2	KITSUNE: Design And Implementation of a Thermoelectric Cloud Chamber for Real-Time Detection And Visualization Of Quantum Ionizing Particles (A and B Radiation) Using Convolutional Neural Network (CNN)	Pauline A. Jone, Hazekiah A. Sevilano, Kurt Mergrande ur L. Quintos	Joshua Ymmanuelle C. Getigan	Davao City National High School	Davao City
3	PHLOATER: Robotic Float Technology Notification System for Early Ocean Acidity Detection	Janiel Eliza S. Literal, Ivan Ray B. Española, Cody Rex M. Dagondon	Kristelle Mae P. Sanoy	Tagum City National High School	Tagum City
4	WANDERWATCH: A Door-Activated Wearable Alert System for Patients with Dementia	Cedrick Von P. Diones, Chloe Ross V. Campomanes, Xayida V. Pasalgon	Alexis G. Dela Cruz	Asuncion National High School	Davao del Norte
5	Project D.R.Y.A.D.: An Arduino-Based Detection Robot Yielding Alerts for Deforestation Prevention	Mike M. Larobis, Haddiya T. Cervantes, Steven T. Pelayre	Jether D. Ortega	Mariano Peralta National High School	Davao Occidental



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Mathematics and Computational Science – Individual Category					
Rank	Title	Proponent	Coach	School	Division
1	A Computational Approach in Arresting Neurodegenerative Disease: Molecular Study of Dukung Anak (<i>Phyllanthus amarus</i>) Phytochemicals Targeting JNK3 (PDB ID:3F12) and P38a(PDB ID:3OCG) MAPK Receptor Via Pass Prediction, Admet Analysis, Parametric and Topological Evaluation, and Density Functional Theory (DFT)	Rashida Eunice B. Sahid	Sherwin S. Fortugaliza	Davao City National High School	Davao City
2	On Some General Relationship Identities of Pell and Pell Lucas Numbers	Jorelle Dave P. Leguarda	Erwin C. Belain	San Isidro NHS	Davao Oriental Division
3	Project Nidhogg: Quantum Scarring Analogues Via Periodic N-Gon Particle Orbit in Convex Polyhedra	Mauver John Sarif L. Adlawan	Sherwin S. Fortugaliza	Davao City NHS	Davao City
4	Hybrid Model for Dengue Prediction: Integrating Sarima Forecasting and Analytical Hierarchy Process (Ahp) for Smart Risk Assessment in Malita, Davao Occidental	Lee Reden M. Abregana	Ana Theresa B. Tocmo	Mariano Peralta NH School	Davao Occidental
5	Panamabuster:An Integrated Study of Supervised Machine Learning Models for Predicting fusarium Wilt (<i>Fusarium Oxyssporum</i> <i>F.Sp.Cubense</i>) Using Physicochemical Properties	Freya F. Michaela Agulan	Dorothy Fe A. Ranis	Sto. Tomas NHS	Davao Del Norte



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5	Analyzing Ultraviolet (Uv) Index in Nieves Villarica National High School: Application of Machine Learning And Geospatial Analysis	Kelvin John C. Latras	Pinky Rose L. Miguelles	Nieves Villarica NHS	IGACOS NHS
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Mathematics and Computational Science – Team Category					
Rank	Title	Proponent	Coach	School	Division
1	Novel Discovery of Viral Entry (Cd4-Gp120 Interaction) And Replication (Mutant Prf53l) Stages Inhibitors of Hiv-1 Infection with F24-Dr11-Rq11-Rq13 Binding Introduced To Cd4+ T Cells Enhancing Antigen Response: Biocomputational Drug Designing of S. Tetrandra Alkaloids Via Pass, Admet, P&T, Molecular Docking, Density, And Wave Functional Theories, And Md Simulations	Bern Joven E. Bontilao Adam M. Khaize Hamcho	Sherwin S. Portugaliza	Davao City National High School	Davao City
2	Porygon: A Comprehensive Analysis of The Gregory-Newton Forward Interpolation Formula with Catmull-Rom, And Cubic Spline Techniques for Precise Data Fitting in Stock Market Data Analysis	Daniel Day B. Doneza Daenen Keith R. Castro Shan Carla Q. Auxtero	Sherwin S. Portugaliza	Davao City National High School	Davao City
3	Molecular Docking Analysis of Phytoconstituents From <i>Nidus Vespae</i> (Honeycomb) As Potential Inhibitor	Raphael Jake Caasi EJ Detoya	Marcyl Ann Espiritu	Tagum City National High School	Tagum City



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	For N-Acetylmuramoyl-L-Alanine Amidase (Lyfa) Enzyme Of <i>Streptococcus Pnuemoniae</i> (Pnuemonia)	Norhaiba Marangit			
4	Conjectures And Theorems on The Arithmetic Mean Of Two Mersenne Prime Numbers: A Mathematical Investigation	Ivan Xavier E. Retardo Krystel Clair C. Ilanan Rans Jhelou M. Sales	Rubylen D. Majarocon	Maragusan NHS	Davao de Oro
5	Nature's Clue: Forecasting Dengue Fever Outbreaks Through Rain, Heat, And Humidity Trends	Kuhleen Kaye Garong John Bie Maruhom Hera Vita Alexa Padilla	Shamile Josephine A. Arriesgado	Sta. Cruz NHS	Davao del Sur



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b.) Innovation Expo

Individual Category					
Rank	Title	Proponent	Coach	School	Division
1	YMIR: Corn Husk-Leather with Built-in Cooling via Embedded Calcium Carbonate Microspheres	Clark Steve P. Cabelita	Joshua Ymmanuelle C. Getigan	Davao City National High School	DAVAO CITY
2	Mini Recycling Bin for Wi-Fi	Kryziah Nicol Lee R. Juadiong	Reggie D. Teves	Digos City NHS	DIGOS CITY
3	AMMONIUFIER: An Agricultural Water Purification Apparatus Infused with Cubical Biomass Pellets for Reducing Ammonia (NH3) and Nitrate (NO3) Contamination in Irrigation Systems	Girly A. Gonzales	Rheider Jan T. Bartolini	Sta. Cruz NHS	IGACOS
4	Precision Pest Control: A Robotic Pesticide Sprayer for Sustainable Farming	Gabrielle I. Logroño	Erwin D. Rubi Jr.	Davao City National High School	DAVAO CITY
5	Optimizing Taro Leaves as Fire Retardant Coating	Felicity Grace P. Ulep	Marissa R. Rabe	Carmen NHS	DAVAO DEL NORTE

Team Category					
Rank	Title	Proponent	Coach	School	Division
1	Tulong: Empowering communities through innovative mobile emergency response solutions	Rodrigo Jr. Precious Angel D. Soriano Cyvil Godfrey M. Lusaya	Henry F. Haranay	TAGUM CITY NHS	TAGUM CITY
2	BANANOCERA: Exploring the potential of Durian husk (<i>Durio</i>	Princess Kyle A. Crismondo	Dhan Febmar S. Cajegas	Panabo City National High School	PANABO CITY



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	<i>zibethinus</i>) and Banana Peels (<i>Musa acuminata</i>) with Taro leaves <i>Colocasia esculenta</i>) for Innovating Hydrophobic Bio-based thermal insulator	Kate Jane R. Adlawan John Peter A. Padillo			
3	PICO Hydro-Steam Turbine	Angela Georgia P. Villa, Nicolai D. Fuentes, Nice S. Patricio	Kristobal John E. Gonzales	Asuncion NHS	DAVAO DEL NORTE
4	A-Gas: An innovative fuel dispensing system for remote communities	Gwen Kathlyn P. Responte Jhared Angela A. Cobrado Borgaine Shelly	JC May R. Fernandez	Tagum City National High School	TAGUM CITY
5	Integrated Conversion of Food Waste: Developing Alternative Biogas System (ABS)	King Verniel C. Caser, Charles Justine C. Pagud, Earl Lorence M. Peritos	Joelene C. Suarez	Anonang NHS	IGACOS



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c. Elementary Level – Science Investigatory Project

Individual Category					
Rank	Title	Proponent	Coach	School	Division
1	Egg White Powder as Natural Coagulant to Separate Waste Oil from Water Oil Emulsion	RichRose Axel V. Diaz	Bert Anthony L. San Juan	Agdao Elementary School	Davao City
2	Larvicidal Effects of Ampalaya (Momordica charantia) Against Mosquito, Aedes aegypti, A Vector of Dengue Virus	Jianelo E. Cabardo	Romel M. Pecajas, PhD.	Jose L. Porras Elementary School	Davao City
3	The Potential of Coffee Husk (Coffee arabica) as Charcoal Briquettes	Samantha Ysabelle R. Silva	Yehlen S. Sarona	Digos City Central Elementary School	Digos City
4	The Efficacy of Kantutay (Lantana camara) Leaves Aqueous Solution against Reticulitermes flavipes (Isoptera: Rhinotermitidae)	Cyrus John U. Roxas	Melody G. Baylon	Rizal Elementary School	Panabo City
5	Effect of Brown Macroalgae (Sargassum) Extract on Soil pH and Plant Growth	Janelyn O. Yray	Rechelle Ann S. Morales	San Jose Elementary School	IGACOS

Team Category					
Rank	Title	Proponent	Coach	School	Division
1	Development of an Improved Copra Kiln Dryer Using Heat Distribution Cone	Zhedrian D. Carias Nathan D. Buctuanon David Curth G. Demape	Grelyn B. Abenoja	Mesaoy Elementray School	Davao del Norte
	Development of a Vermicomposting (Musa sapientum) Banana Peel Stem as a	Vinz Kryston L. Elizalde	Shane T. Espina	Guihing Central Elementary School	Davao del Sur



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	Source of Sustainable Paper	Andrei Jaime H. Arnado Shawn Andrie R. Naga			
3	Pesticidal Effect of Urochloa mutica (Paragrass) Extract Against Pentalonia nigronervosa (Banana Aphids) in Musa acuminata (Cavendish Banana)	Juru Domini S. Cotic Wisdom Faith Ulexa D. Cadulong Anthea Zalia E. Pahimalan	Myra P. Escobal	Magugpo Pilot Imelda ES- SPED Center	Tagum City
4	The Backwash of Calabash Fruit (Crecentia cujete) as an Alternative Organic Contact Fungicidal against Fungi-Vector of Fungal Infections	Alleya Faye B. Vallena Pearl Emerald P. Gavino Chystyr Francizkhen R. Cagatin	Romel M. Pecajas, PhD Maria Teresa C. Gaslang	Jose L. Porras Elementary School	Davao City
5	Portable Dual Power Charger Mosquito (Culicidae) Terminator from Discarded Materials	Aysha Mae C. Villarino Dan Lloyd T. Sanchez Kian Xander T. Gumombal	Fernando D. Dimayuga II	Generoso Elementary School	Davao City



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d. Special Awards

Life Science				
Individual Category	Name	Title of the Research Project	School	Division
Best Presenter	Triniti Sherry P. Fuentes	Anticancer Evaluation of Paco Fern (<i>Diplazium esculentum</i>) Extract Against HCT116 Human Colorectal Cancer: Chorioallantoic Membrane (CAM) Assay, Multiphasic Liquid Partitioning, MTT Assay and Pharmacokinetic Analysis For Drug Development	Davao City National High School	Davao City
Best Board Display	AVE STEPHANIE M. DEVILLERES	Hypolipidemic Effect of Turkey Tail Mushroom (<i>Trametes versicolor</i>) and Lumpy Bracket Mushroom (<i>Trametes gibbosa</i>) to Fruit Fly (<i>Drosophila melanogaster</i>)	Sta. Cruz National High School	IGACOS
Team Category				
Best Presenter	Gared Arthur S. Tribunalo, Mari Angeline V. Dejucos, Myer Angela S. Gulayan	ARABITECT: Microwave Assisted Green Synthesis of Graphene Oxide Quantum Dots from <i>Coffea arabica</i> L. as Fluorescent Probe with Cytotoxic Effects for Selective and Sensitive Detection of HCT166 Human Colon Adenocarcinoma	Daniel R. Aguinaldo National High School	Davao City
Best Board Display	Gared Arthur S. Tribunalo, Mari Angeline V. Dejucos,	ARABITECT: Microwave Assisted Green Synthesis of Graphene Oxide Quantum Dots from <i>Coffea arabica</i> L. as Fluorescent Probe	Daniel R. Aguinaldo National High School	Davao City



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	Myer Angela S. Gulayan	with Cytotoxic Effects for Selective and Sensitive Detection of HCT166 Human Colon Adenocarcinoma		
Physical Science				
Individual Category	Name	Title of the Research Project	School	Division
Best Presenter	Mark Edward L. Adlawan	HYDRA: Nanocellulose Biofilms as a Platform for the Advanced Integration of CNOs, CQDs, CaCO ₃ Microspheres, and Anthocyanins for Multifunctional Applications	Davao City National High School	Davao City
Best Board Display	Jerna Kisha H. Cemine	The Potential of water silk (<i>Spirogyra</i> spp.) extract Bio-Inhibitor derived from Bioactive Compounds and Ethanol (CH ₃ CH ₂ O) as Corrosion (Fe ₂ O ₃) Preventive Agent in Metal Surfaces	Atty. Orlando S. Rimando	Davao de Oro
Team Category				
Best Presenter	Honey Krizyl S. Melchor Hermes O. Bordios III	Mycelium-Based Composite (MBC) from <i>Ganoderma lucidum</i> and Coconut Coir Fibers as a Potential	Tagum City National High School	Tagum City
Best Board Display	Mary Edualeen V. Artiaga Amiela Nicole A. Rabago	HatchGuard: Third-party Notification Device for Temperature and Humidity Equipped with SMS Messaging	Digos City National High School	Digos City
Robotics and Intelligent Machines				
Individual Category	Name	Title of the Research Project	School	Division
Best Presenter	Rhon Bethel R. Segampong	POSEIDON: An AI-Controlled Aquatic Weeder Using a Novel Extermination Mechanism and Deep Learning AI Vision to Detect, Navigate, and Mitigate Common	Daniel R. Aguinaldo National HS	Davao City



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		Water Hyacinth (Pontederia crassipes) Infestations		
Best Board Display	Maria Margarette D. Saban	AI-Driven Physicochemical Monitoring System Integrated to a Solar- Powered Rainwater Purifier	Digos City National HS	Digos City
Team Category				
Best Presenter	Pauline A. Jone, Hazekiah A. Sevillano, Kurt Mergrandeur L. Quintos	KITSUNE: Design And Implementation of a Thermoelectric Cloud Chamber for Real-Time Detection And Visualization Of Quantum Ionizing Particles (A and B Radiation) Using Convolutional Neural Network (CNN)	Davao City National High School	Davao City
Best Board Display	Gaebrielle Blaise Fernandez, Conie Vyle S. Lawag, Frenzel Neil Suganay	Automated Dissolved Oxygen Level Sensor for Milkfish (Chanos Chanos) Pond	Digos City National High School	Digos City
Mathematics and Computational Science				
Individual Category	Name	Title of the Research Project	School	Division
Best Presenter	Lee Reden M. Abregana	Hyrbid Model for Dengue Prediction: Integrating Sarima Forecasting And Analytical Hierarchy Process (Ahp) For Smart Rish Assesment In Malita, Davao Occidental		Davao Occidental
Best Board Display	Karl Nicoli S. Pelletero	Time-series forecasting: Utilizing SARINIA AND ANN Models for White Corn Coop Yield of Davao del Sur	Digos City National High School	Digos City
	Name	Title of the Research Project	School	Division
	Bern Joven E. Bontilao	Novel Discovery Of Viral Entry (Cd4- Gp120 Interaction)	Davao City NHS	Davao City



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	Adam Khaize Hamcho	And Replication (Mutant Prf53l) Stages Inhibitors of Hiv-1 Infection With F24-Dr11-Rq11-Rq13 Binding Introduced To Cd4+ T Cells Enhancing Antigen Response: Biocomputational Drug Designing Of S. Tetrandra Alkaloids Via Pass, Admet, P&T, Molecular Docking, Density, And Wave Functional Theories, And Md Simulations		
Best Board Display	Fritzie Mae P. Costelo Trishia mae A. Parnaso Jhimn Devance B. Guanzon	Habalart: Determining the Probability of Harmful algae Blooms (HABs) Using Machine Learning	STO. TOMAS NHS	Davao del Norte
Science Innovation Expo				
Individual Category	Name	Title of the Research Project	School	Division
Best Presenter	Clark Steve P. Cabelita	YMIR: Corn Husk-Leather with Built-in Cooling via Embedded Calcium Carbonate Microspheres	Davao City National High School	Davao City
Best Board Display	Clark Steve P. Cabelita	YMIR: Corn Husk-Leather with Built-in Cooling via Embedded Calcium Carbonate Microspheres	Davao City National High School	Davao City
Team Category	Name	Title of the Research Project	School	Division
Best Presenter	Rodrigo Jr. Precious Angel D. Soriano Cyvil Godfrey M. Lusaya	Tulong: Empowering communities through innovative mobile emergency response solutions	Tagum City NHS	Tagum City
Display	Gwen Kathlyn P. Responte	A-Gas: An innovative fuel dispensing	Tagum City National	Tagum City



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	Jhared Angela A. Cobrado Borgaine Shelly	system for remote communities	High School	
Elementary SIP Category				
Individual Category	Name	Title of the Research Project	School	Division
Best Presenter	Rich Rose Axel V. Diaz	Egg White Powder as Natural Coagulant to Separate Waste Oil from Water Oil Emulsion	Agdao Elementary School	Davao City
Best Board Display	Cyrus John U. Roxas	The Efficacy of Kantutay (Lantana camara) Leaves Aqueous Solution against Reticulitermes flavipes (Isoptera: Rhinotermitidae)	Rizal Elementary School	Panabo City
Team Category	Name	Title of the Research Project	School	Division
Best Presenter				
Best Board Display	Zhedrian D. Carias Nathan D. Buctuanon David Curth G. Demape	Development of an Improved Copra Kiln Dryer Using Heat Distribution Cone	Mesaoy Elementray School	Davao del Norte
DOST Results (DOST Awards)				
	Denzelle Sakura C. Petras Prince Gian O. Naret	Cavendish Banana (<i>Musa acuminata</i>) Peels As a Potential Biodegradable Plastic	Rizal Elementary School	Panabo City
	Angela Georgia P. Villa, Nicolai D. Fuentes, Nice S. Patricio	PICO Hydro-Steam Turbine	Asuncion NHS	Davao Del Norte
	King Verniel C. Caser, Charles Justine C. Pagud,	Integrated Conversion of Food Waste: Developing Alternative Biogas System (ABS)	Anonang NHS	IGACOS



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	Earl Lorence M. Peritos			
	Gabrielle I. Logroño	Precision Pest Control: A Robotic Pesticide Sprayer for Sustainable Farming	Davao City National High School	Davao City
	Clark Steve P. Cabelita	YMIR: Corn Husk-Leather with Built-in Cooling via Embedded Calcium Carbonate Microspheres	Davao City National High School	Davao City
	Kryziah Nicol Lee R. Juadiong	Mini Recycling Bin for Wi-Fi	Digos City NHS	Digos City
	Girly A. Gonzales	AMMONIUFIER: An Agricultural Water Purification Apparatus Infused with Cubical Biomass Pellets for Reducing Ammonia (NH3) and Nitrate (NO3) Contamination in Irrigation Systems	Sta. Cruz NHS	IGACOS
Best Dress				
Best Dress Female	Veronica Paring		Atty. Orlando S. Rimando NHS	Davao de Oro
Best Dress Male	Gared Arthur S. Tribunalo		Daniel R. Aguinaldo NHS	Division-Davao city
Best Shout-out	Davao del Norte			Davao del Norte
Best Cheers and Yells	Davao del Norte			Davao del Norte
On-the-Spot Poster Making	Fritzie Mae Costelo Prince Gabriel Alvarez Dwayne Faguso Freya Agulan Janus Robis			Davao del Norte



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