



Republic of the Philippines  
**Department of Education**  
REGION VII – CENTRAL VISAYAS  
SCHOOLS DIVISION OF NEGROS ORIENTAL

**Office of the Schools  
Division Superintendent**

16 OCT 2023

**DIVISION MEMORANDUM**

No. 747 s. 2023

**RESULTS OF THE DIVISION SCIENCE & TECHNOLOGY FAIR (DSTF)  
FOR SY: 2023-2024**

To : Assistant Schools Division Superintendent  
Chiefs, CID & SGOD  
Education Program Supervisors/ Division Coordinators  
Public Schools District Supervisors/ Districts-In Charge  
All Others Concerned

1. This Office through the Curriculum Implementation Division (CID) announces and congratulates the winners of the Division Science & Technology Fair (DSTF) for the School Year 2023-2024 held at Negros Oriental High School last October 13, 2023. Please see attached list of winners.
2. First place winner coaches of the **TUKLAS:** (Physical Science, Life Science, Robotics & Intelligent Machines & Science Innovation Expo-Individual & Team), Siyensikula, DigiTuro and **SIBOL** Elementary SIP and coaches of the Top 3 winners of Wildlife and Biodiversity Quiz Bowl Secondary level are advised to report on October 24, 2023 at exactly 9:00 AM at the 3<sup>rd</sup> Floor Division Conference Room for the final orientation on the preparation of the upcoming RSTF and provision of technical assistance by our Regional Science Supervisor Dr. Bryant Acar via MS Teams.
3. Immediate dissemination and compliance with this Memorandum is directed.

  
**NERI C. OJASTRO EdD, CESE**  
Schools Division Superintendent

NCO/JMA-MKP-NLR/CID/NLR/arj  
October 16, 2023



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**SUMMARY OF WINNERS OF THE DIVISION SCIENCE AND TECHNOLOGY FAIR 2023**

<b>A. TUKLAS - LIFE SCIENCE - INDIVIDUAL CATEGORY (Secondary)</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>	<b>Coach</b>	<b>Title of the Entry/Project</b>
Ist	Sibulan District 2	Ajong NHS	Nylian Jane Taguiam	Rowena R. Dinokot	A Comparative Study on the Larvical Action of Lanzones ( <i>Lansium domesticum</i> ) and Rambutan ( <i>Naphelium Lappaceum</i> ) Leaves, Peelings, and seeds
2nd	Sta. Catalina District 1	Don Emilio Macias Mem. NHS	Sofia Joy L. Quis-quis	Rica Mae Z. Vince	Comparative Study on Different Concentrations of Amini Acid Extracts from Milkfish ( <i>Chanos chanos</i> )waste as Fertilizers om Pechay Plants ( <i>Brassica rapa</i> )
3rd	Bindoy District 2	Demetrio L. Alviola NHS	Antrishia Gayle A. Fernandez	Renie T. Catubig	Efficacy of Eucalyptus Globulus Extract against Fish Lice ( <i>Argulus Japonica</i> ) Present on Goldfish ( <i>Carasius Auratus</i> )
<b>B. TUKLAS - LIFE SCIENCE - TEAM CATEGORY (Secondary)</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>	<b>Coach</b>	<b>Title of the Entry/Project</b>
Ist	Valencia District	Valencia NHS	1. Lloyd John T. Morales 2. Eddieson S. Carreon 3. Gwyn Aubrey Rose Baldomero	Berma O. Patron Rojan Oira	The Potential Anti-Microbial Properties of Hibiscus Rosa-Sinensis, Bougainvillea Spectabilis, and Plumeria Obtusa
2nd	Sta. Catalina District 1	Don Emilio Macias Mem. NHS	1. Trish Q. Paligsa 2. Neil Elligan 3. Andrie Julianna I. Tucay	Sheramae M. Sandigan	Madre de cacao ( <i>Gliricidia sepium</i> ) as Pesticide in Pechay ( <i>Brassica rapa</i> subsp. <i>Chensis</i> ) Based on Percentage
3rd	Siaton District 3	Siaton Science HS	1. Althea G. Ragay 2. Doblenn G. Cabugnason 3. Jun Joshua F. Galabay	Eufrates G. Ansok, Jr.	Effects of Seaweeds' ( <i>Ulva intestinalis</i> ) Extracts on the Growth of Mung Beans ( <i>Vigna radiata</i> ) Seeds



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<b>C. TUKLAS – PHYSICAL SCIENCE – INDIVIDUAL CATEGORY (Secondary)</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>	<b>Coach</b>	<b>Title of the Entry/Project</b>
Ist	Sta. Catalina District 1	Casiano Z.Napigkit NHS	Maryanne R. Alabado	Lyndon D. Patrocinio	Seawater Desalination Using Solar Energy
2nd	NOHS	NOHS	Donna Fe V. Jimena	Florentina P. Pasajingue	A comparative Study of the Effectiveness of Cassia Fistula Leaves and Madre de Cacao Leaves as Ripening Agent for Bananas
3rd	Siaton District 3	Siaton Science HS	Queensie Belle K. Eso	Mavreen Siegred E. Rado	Investigating the Effects of the Different Concentrations of Guava ( <i>Psidium guajava linn.</i> ) Leaves Extract on the Shelf-Life of Saba Bananas ( <i>Musa acuminata x balbisiana</i> )
<b>D. TUKLAS – PHYSICAL SCIENCE – TEAM CATEGORY (Secondary)</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>	<b>Coach</b>	<b>Title of the Entry/Project</b>
Ist	Sibulan District 2	Ajong NHS	1. Mebert Paul Aranas 2. Angel May N. Batobalones 3. Merjeneviene Suzane M. Eullaran	Rowena R. Dinokot	Improvised Mechanical Centrifuge: Its Feasibility in Separating Mixtures
2nd	NOHS	NOHS	1. Mary Anne C. Lechido 2. Casey Jhester Pis-an 3. Cheisea Faye D. Depillo	Florentina P. Pasajingue	A Comparative Study on the Effectiveness of Papaya Fruit ( <i>Carica Papaya</i> ) White Latex and Lemon Juice with Calamansi as Stain Removers
3rd	Zamboanguita District 2	Zamboanguita Science HS	1. Chris Ivan F. Elnar 2. Mine R. Baclayon 3. Michaela G. Parao	Marlene E. Ellom	Development of Bioplastics: Can Eggshells Reinforce the Flexibility of Starch-based Bioplastic



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<b>E. TUKLAS – ROBOTICS &amp; INTELLIGENT MACHINE (RIM)- INDIVIDUAL CATEGORY (Secondary)</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>	<b>Coach</b>	<b>Title of the Entry/Project</b>
Ist	Siaton District 2	Siaton NHS	Margareth Ac-ac	Bradelen T. Macajig	Feasibility of air quality and temperature detection mobility robot
2nd	Dauin District	Dauin Science HS	Amy T. Cafino	Khyle P. Baniga	Radio frequency identification: door lock system using Arduino uno
3rd	Bindoy District 2	Demetrio L. Alviola NHS	Althes Nicole M. Vailoces	Nickjun B. Abello	Blue Volt: harnessing technology for electricity control
<b>F. TUKLAS – ROBOTICS &amp; INTELLIGENT MACHINE (RIM) – TEAM CATEGORY (Secondary)</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>	<b>Coach</b>	<b>Title of the Entry/Project</b>
Ist	Bindoy District 2	Demetrio L. Alviola NHS-SHS	1.Jalian R. Sagales 2.Neogel Lawrence E. Fernandez 3.Rainhard A. Presbitero	Nickjun B. Abello	Hydrosens Advanced Arduino Climate Adapter Hydroponics
2 <sup>nd</sup>	Siaton District 1	Sumaliring HS	1.Charles Valencia 2.Juhn Aljon Ladion 3.Karl Daniel Gella	Aiza M. Abingayan	Smart car for Search and rescue
3rd	Dauin District	Dauin NHS	1.Kanna Mae S. Alanano 2.Mark Jade A. Avanzado 3.Kyle C. Vicera	Maria Pilar Mongcupa & Sheen Mae Alaban	The Alertguard Home Protection: Arduino Enabled SMS Notification for Intrusion and Gas Leak Detection System

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<b>G. TUKLAS - SCIENCE INNOVATION EXPO- INDIVIDUAL CATEGORY (Secondary)</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>	<b>Coach</b>	<b>Title of the Entry/Project</b>
Ist	Sta. Catalina District 2	Sta. Catalina Science HS	Harti Laura Agbon	Rosewin R. Panaguiton	Short Message Service-Based Flood Level Monitoring System and Alarm
<b>H. TUKLAS - SCIENCE INNOVATION EXPO- TEAM CATEGORY (Secondary)</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>	<b>Coach</b>	<b>Title of the Entry/Project</b>
Ist	Dauin District	Dauin Science HS	1. Ishe T. Abucay 2. Reideniel E. Dimasuhid 3. Nicole E. Inid	Amy T. Cafino	Versablanket: Multi-Purpose Waterproof Blanket
2nd	Sta. Catalina District 2	Sta. Catalina Science HS	1. Eldon Rey Rendon 2. Alissa Nicole Bulangis 3. Charmaine Napigkit	Lelleth Donday	Soil Moisture Sensing Device using an Automatic System for watering Plants
3rd	Siaton District 2	Mantiquil Masaligan HS	1. Ashton Clark A. Amaro 2. Jecil S. Bacane 3. Charlie A. Millaris	Rosalie F. Sayri	Human-powered Cycling Generator System



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<b>I. SIYENSIKULA – STUDENT CATEGORY (Secondary)</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>	<b>Coach</b>	<b>Title of the Entry/Project</b>
1st	Siaton District 1	Sumaliring HS	1. Shane B. Ijan 2. Kate Jenell M. Cataloña 3. Lhyza May N. Torres	Aiza M. Abingayan	Mitosis: The Engine of Growth
2nd	Siaton District 4	Maria Macahig NHS	1. Glenn Mark K. Japinan 2. Ryza Mae R. Palallos 3. Nicole Razel D. Enojo	Irish Jean B. Gainsan	Genetics: Sex Linked genes
3rd	Sta. Catalina District 1	Casiano Z. Napigkit NHS	Janine D. Mercado	Geneva Faye L. Mendoza	Camera & Lenses
<b>J. DigiTuro – TEACHER CATEGORY</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>		
1st	Sta. Catalina District 2	Nagbinlod HS	Nieva Jun I. Duya		
2nd	Sta. Catalina District 1	Casiano Z. Napigkit NHS	Emmalyn R. Gargar		
3rd	Siaton District 1	Sumaliring HS	1. Amelia Q. Engreso 2. Aiza M. Abingayan 3. Joan B. Valencia		

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<b>K. SIBOL - SIP (ELEMENTARY)</b>					
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Researcher/s</b>	<b>Coach</b>	<b>Title of the Entry/Project</b>
1st	Siaton District 2	FTMS	1. Ivanna Rainelle M. Tubuhan 2. Leanna Eve v. Vergara 3. Ejay L. Estacio	Jovena G. Lumaya	Lansones Peeling Extract as Organic Larvicide
2nd	Dauin District	Baslay E/S	1. Liezl Marie S. Gajilomo 2. Ryza E. Monopole 3. Aisel I. Inojaldo	Maria Fe Celeste I. Cafino	Banana Pseudo Stem art Material
3rd	La Libertad District 2	Martilo E/S	1. Pierre Johannes Gallosa 2. Rhea Marie T. Oliveros 3. Stifanny O. Bandic	Nikki Hayasen B. Alingasa	AntEx

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<b>L. QUIZ BEE – GRADE 5</b>				
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Contestant</b>	<b>Coach</b>
Ist	Siaton District 1	Albiga E/S	Tiffanie Brielle M. Rada	Zenaida G. Alonzo
2nd	Ayungon District 2	Tambo E/s	Reyna Mae Indonilla	Jose Arfassab f. Zuniega
3rd	Siaton District 2	FTMS	Derenze Ruff T. Dael	Marlie G. Raipan

<b>M. QUIZ BEE – GRADE 6</b>				
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Contestant</b>	<b>Coach</b>
Ist	San Jose District	Crisostomo O. Retes E/S	Ma. Yvette Cassandra Y. Rubia	Arianne Lues Bulay
2nd	Siaton District 2	FTMS	Ethan Acandrei Macasiljig	Jovena G. Lumaya
3rd	Mabinay District 3	Mabinay C/S	Prince Kasir E. Aloba	Charlito T. Cuadra, Jr.



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<b>N. QUIZ BOWL- WILDLIFE AND BIODIVERSITY - SECONDARY</b>				
<b>Rank</b>	<b>District</b>	<b>School</b>	<b>Contestants</b>	<b>Coach</b>
Ist	Sibulan District 1	Sibulan NHS	1. Steven C. Manigsaca 2. Bea Anthonette Gagam	Winda D. Obedencio
2nd	Sta. Catalina District 2	Sta. Catalina Science HS	1. Luke Anthony Destine Aliling 2. Karl Romeo Maghari	Rosewin R. Panaguiton
3 <sup>rd</sup>	Mabinay District 3	Mabinay NHS	1. Carl B. Tanquino 2. Pebie jane Caseres	Lewelin P. Guanzon