



Republic of the Philippines  
Department of Education

REGION XI  
SCHOOLS DIVISION OF DAVAO DEL NORTE

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Office of the Schools Division Superintendent

June 22, 2022

DIVISION MEMORANDUM  
No. 796, s. 2022

**RESULTS OF THE DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF)  
FOR SCHOOL YEAR 2021-2022**

To: Dr. Eduard C. Amoguis - CID Chief  
Public Schools District Supervisors

Attached herewith is the result of the the Division Science & Technology Fair (DSTF) conducted last June 17, 2022 via Zoom. Detail of the result is in the enclosure.

Further, the top 2 winners per event will represent the division in the Regional Science and Technology Fair (RSTF) and submit their entries with all the attachments on June 25, 28, 29, 2022 through email at [rstfroxi@deped.gov.ph](mailto:rstfroxi@deped.gov.ph).

All participants are required to strictly observe the health protocols as prescribed by the IATF during this time of pandemic.

Everyone is highly encouraged to continually support and recognize the value of equality and diversity of all personnel while complying with the directives set forth by this office.

Immediate dissemination of this memorandum is desired.

**DEE D. SILVA, DPA, CESO V**  
Schools Division Superintendent





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**RESULTS OF THE DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF) FOR SY 2021-2022**

**EVENT: SIYENSIKULA**

Place	District	School	Proponent	Coach	Title
1	New Corella	New Corella NHS	Corinne Chatto	Fermin Celada	SPACETIME
2	Kapalong East	Kapalong NHS	Marchone Dominguez	April Joy Cailo	RNA Mutation And Covid Variants
3	Sto. Tomas West	Sto. Tomas NHS	Ana Mercy Olmedo	Junjae C. Rebalde	Quantum Chromodynamics
4	Asuncion	Asuncion NHS	Ardel Monteroso	Vea Amor Arcenal	Corona Virus
5	Sto, Tomas East	Salvacion NHS		Jenelyn Ladaga	Non Vascular Plant

**EVENT: LIKHA - LIFE SCIENCE INDIVIDUAL**

Place	District	School	Proponent	Coach	Title
1	Sto. Tomas West	Sto. Tomas NHS	Princess Sophie Resonar	Jesninieta Dolormente	Eggshell and Aloe vera Extract as Plant Growth Enhancer in Growing Monstera adansonii Plant
2	Sto. Tomas East	Kimamon NHS	Zuriel C. Olitres	Noel C. Panaguiton	Cardava (Musa balbisiana): As potential source of Alternative Sugar

**EVENT: LIKHA - PHYSICAL SCIENCE INDIVIDUAL**

Place	District	School	Proponent	Coach	Title
1	Sto. Tomas	Sto. Tomas NHS	Charisse Pondales	Silver Glee Ediza	Utilization of Farm and Market Wastes in Biogas Production and Foliar Fertilizer as By-product
2	Asuncion	Asuncion NHS	Erika Reign F. Pizon	Kristobal John Gonzalez	Design and Fabrication of Automated Facemask Col and



**EVENT: LIKHA – ROBOTICS AND INTELLIGENT MACHINE INDIVIDUAL**

Place	District	School	Proponent	Coach	Title
1	Sto. Tomas	Sto. Tomas NHS	Charisse Pondaes	Silver Glee Ediza	Utilization of Farm and Market Wastes in Biogas Production and Foliar Fertilizer as By-product
2	Asuncion	Asuncion NHS	Erika Reign F. Pizon	Zennifer Otig	Design and Fabrication of Automated Facemask Col and Dispenser

**EVENT: LIKHA – MATHEMATICS AND COMPUTATIONAL SCIENCES INDIVIDUAL**

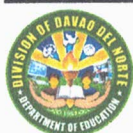
Place	District	School	Proponent	Coach	Title
1	Sto. Tomas	Sto. Tomas NHS	Francesca Khlea L. Evangelista	Dorothy Fe A. Ranis	“Mitscherlich Formulation of Trichoderma harzianum as a Medium for Biodegradable Waste in Organic Fertilizer Production”

**EVENT: LIKHA – LIFE SCIENCE TEAM**

Place	District	School	Proponents	Coach	Title
1	Sto. Tomas West	Sto. Tomas NHS	Khria Junaza, May Beth G. Carlet, Clyde O. Ombajin	Suzette Villarino	Trichoderma harzianum as a Medium for Biodegradable Waste in Organic Fertilizer Production
2	Asuncion	Asuncion NHS	Sairel M. Demegillo, Antonette Arabel T. Baltazar and Josiah Sam Daroy	Zennifer Otig	Cavendish Banana (Musa Acuminata): A Potential Culture Medium for Isolation and Sporulation on Hyphal Growth of Important Fungal Pathogens

**EVENT: LIKHA – PHYSICAL SCIENCE TEAM**

Place	District	School	Proponents	Coach	Title
1	Asuncion	Asuncion NHS	Angela Georgia P. Villa, Stephanie A. Real	Zennifer Otig	Synthesis of TiO <sub>2</sub> and SiO <sub>2</sub> nanoparticles through sol-gel technique as an admixture: A novel consortia engineering approach evaluating rheological properties, and photocatalytic performance of cement in UHPC (ultra-high performance concrete)cement in UHPC (ultra-



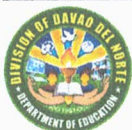
					high performance concrete)
2	Sto. Tomas West	Sto. Tomas NHS	Beñan, John Kenneth T., Manalo, Joseph L., Soquillo, Zera May C.	Junjae C. Rebalde	Utilizing Free-Flowing Water as an Energy Source using Hydropower prototype
3	Sto. Tomas East	Kimamon NHS	Kianabel Buaya, Rey Alain Sarceno, Daphne Sarceno	Maria Cristy Romero	Breadfruit ( Artocarpus altilis) as an Alternative Source of Commercial Flour

**EVENT: LIKHA – ROBOTICS AND INTELLIGENT MACHINE TEAM**

Place	District	School	Proponents	Coach	Title
1	Asuncion	Asuncion NHS	Jerry L. Dofredo, John Lloyd P. Edrada, Gerald P. Villa	Zennifer Otig	Design and Fabrication of Aim Bot: Developing Ai Virus Disinfectant Robot
2	Sto. Tomas	Sto. Tomas NHS	Clowie Vires J. Moquia , Princess Joynie P. Gersan Jacoviel Mari Kabingue	Suzette B. Villarino	“Multifunction Auto-bot”

**EVENT: LIKHA – MATHEMATICS AND COMPUTATIONAL SCIENCES TEAM**

Place	District	School	Proponents	Coach	Title
1	Sto. Tomas West	Sto. To,as NHS	Austend Roymelo Balaud Freya Michaela Agulan Kyan Aj Rabanez	Bryan J. Animo	“Utilization of the Q-model for the Flow Rate of Water as Energy Source Using Improvised Hydropower”



**EVENT: STEM TOKPERIMENT - JUNIOR HIGH SCHOOL**

Place	District	School	Proponent	Coach	Title
1	Sto. Tomas West	Sto. Tomas NHS	Hae Yeong Park	Karl Ibarientos	
2	Kapalong East	Kapalong NHS	Wayne Pacon	Mylyn Julio	Smoke Waterfall

**EVENT: STEM TOKPERIMENT - SENIOR HIGH SCHOOL**

Place	District	School	Proponent	Coach	Title
1	Sto. Tomas West	Sto. Tomas NHS	John Caster Troy L. Yoldi	Karl Ibarientos	
2	Asuncion	Asuncion NHS	Sheryn Labita	Rizza May Peralta	Smoke Waterfall

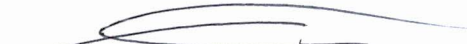
**EVENT: ROBOTICS GAME EXHIBITION**

Place	District	School	Proponent	Coach
1	Sto. Tomas West	Sto. Tomas NHS	Dan Loess Antoine Malon	Jesninieta Dolormente

Prepared by:



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