



Republic of the Philippines
Department of Education
NATIONAL CAPITAL REGION
SCHOOLS DIVISION OFFICE OF MUNTINLUPA CITY

Office of the Schools Division
Superintendent

JUN 23 2022

DIVISION MEMORANDUM
No. 133, s. 2022

WINNERS OF DIVISION SCIENCE AND TECHNOLOGY FAIR 2022

To: OIC – Assistant Schools Division Superintendent
Chief Education Supervisor, Curriculum Implementation Division
Chief Education Supervisor, School Governance and Operations Division
Public Elementary and Secondary School Heads / OICs
All Others Concerned

1. This office recognizes and congratulates the learners, coaches and School Heads for winning in the Division Science and Technology Fair 2022 (DSTF) held on June 16-17, 2022 at Schools Division Office.
2. Attached is the list of the winners.
3. Immediate and wide dissemination of this Memorandum is desired.


CARLEEN S. SEDILLA CESO V
Schools Division Superintendent

Encl: As stated
Reference: None
To be indicated in the Perpetual Index
Under the following subjects:

CONTEST AWARDS WINNERS

ASO/DM- Winners of Division Science and Technology Fair 2022
133 / June 20, 2022



Student Center for Life Skills Bldg., Centennial Ave, Brgy Tunasan,
Muntinlupa City
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IAF
No: 18.1519.026

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Winners of DIVISION SCIENCE and TECHNOLOGY FAIR 2022

SIYENSIKULA CATEGORY

SCHOOL	Grade Level	Title	Learners	Coach	School Head	RANK
Muntinlupa Science HS (JHS)	10	Gravity	Elijah Elworld R. Calayag	Mr. Ryan Jumar R. Pantoja	Dr. Florante C. Marmeto	1
Muntinlupa Science HS (SHS)	11	Electromagnetism: The Future of Our World, The Legacy of Our Past, and the Hero of our Present	Jewel Calica	Ms. Lady Edlenill Jamela Tavu	Dr. Florante C. Marmeto	2
Muntinlupa Science HS (JHS)	10	Genetic Mutation	Mary Margaret E. Pilar	Mr Ryan Jumar R. Pantoja	Dr. Florante C. Marmeto	3
Muntinlupa Science HS (JHS)	10	Fermentation	Kerby R. Trogon	Mr Ryan Jumar R. Pantoja	Dr. Florante C. Marmeto	4
Muntinlupa National HS (JHS)	11	REDSHIFT	Mishal Alyana Tabangcay	Ms. Cristine Caroline Gratis	Dr. Antonio B. Rocha	5
MBHS- Sucat Annex	10	The Mirrors	Maria Cassandra De Lios	Abigail M. De Lios	Mrs. Rochelle Jimenez	6
MBHS- Sucat Annex	7	Solar Eclipse	Precious Madellaine Moslares	Joycelyn J. Prado	Mrs. Rochelle Jimenez	7
TOTAL		7				

Winners of DIVISION SCIENCE and TECHNOLOGY FAIR 2022

RANKING RESULTS of LIKHA CATEGORY

SCHOOL	Grade Level	Title	Learners	Coach	School Head	RANK
APPLIED SCIENCE - INDIVIDUAL						
Muntinlupa Science HS (JHS)		“Feasibility of Squash Seeds (<i>Cucurbita mostacha</i>) as Potential Substitute in Coffee Production “	Zach Nathan B. Tonducan	Marilu R. Lorzano	Dr. Florante C. Marmeto	1
Muntinlupa National HS (JHS)		Entomopod: A Simplified Approach To Black Soldier Fly (<i>Hermetia Illucens</i>) Larvae Production	Arvin Keith S. Perez	Cristine Caroline C. Gratis	Dr. Antonio B. Rocha	2
APPLIED SCIENCE – TEAM						
Muntinlupa National HS (JHS)		Chitosan From Ganoderma Lucidium (Lingzhi Or Reishi) Mushroom As Treatment For Wastewater	Jayzee Von G. De Claro, John Gabriel E. Somontina, Rea Joana P. Tomonong	Cristine Caroline Gratis	Dr. Antonio B. Rocha	1
Muntinlupa Science HS (JHS)		“Thermoelectric -Powered Solar Panel: An Alternative Source of Electricity”	James Rommel B. Guevarra Carl Dainielle T. Nunez Thony John T. Peralta	Marilu R. Lorzano	Dr. Florante C. Marmeto	2
Muntinlupa Science HS (JHS)		“The Feasibility of Snake Plant (<i>Sansevieria Futura Robusta</i>) Fiber as Substitute for Clothing Materials “	Keane Jon C. Lamasan Noel Miguel H. Lucas Mary Rose L. Magtibay	Marilu R. Lorzano	Dr. Florante C. Marmeto	3

Muntinlupa National HS (JHS)		Utilization Of Organic Waste And Used Coffee Grounds As Enhancers For Biogas Production	Paula Janella Mae S. Malabanan, Shinel Laine A. Namia, Cresen Anne O. Marquez	Cristine Caroline Gratis	Dr. Antonio B. Rocha	4
LIFE SCIENCE - INDIVIDUAL						
Muntinlupa Science HS JHS)		Bromelain from Pineapple (Ananas comosus) Stem Extract as Antibacterial Soap	Sophia Emily L. Cuyo	Marilu R. Lorzano	Dr. Florante C. Marmeto	1
Muntinlupa National HS (JHS)		Purified Edible Mealworm (<i>Tenebrio Molitor</i>) Larva Oil As A Sustainable Replacement To Palm (<i>Elaeis Guineensis</i>) Oil	Alyana Mishal Tabangcay	Ms. Ma. Teresa Marbella	Dr. Antonio B. Rocha	2
Muntinlupa Science HS (JHS)		"The Feasibility of GIMACAHO and Apis Extract for Blood Clotting"	Angela Loiuse D. Marcelo	Marilu R. Lorzano	Dr. Florante C. Marmeto	3
LIFE SCIENCE - TEAM						
Muntinlupa Science HS (JHS)		"Bromomethane Extract from Cauliflower (Brassica oleracea var.botrytis) Stems as an Alternative Basal Rot (Fusarium spp) Fungicide"	Nikolai John J. Mendoza Alyssa Camille M. Casero Ma. Ronzelle Ann G. Galapon	Marilu R. Lorzano	Dr. Florante C. Marmeto	1
2.Muntinlupa National HS (JHS)		Phytochemical Screening, Cytotoxicity, And Anti-Angiogenic Properties Of Balbas-Bakiro (<i>Momordica Cochinchinensis</i>)	Jiane N. Arellano, Kirsten Colleen R. Gabriel, Izza Mae O. Pastrana	Cristine Caroline Gratis	Dr. Antonio B. Rocha	2
Muntinlupa National HS (JHS)		Impact Of Food Waste Quality On Black Soldier Fly (<i>Hermetia Illucens</i>) Larvae Production	Janzi P. Caballero, Maria Annika R. Espinosa, Aldrae Marc T. Jore	Cristine Caroline Gratis	Dr. Antonio B. Rocha	3
ROBOTICS & INTELLIGENCE MACHINE INDIVIDUAL						

Muntinlupa National HS (JHS)		Pneu NAP tics	Nap Joseph V. Zamora	Ms. Margaret V. De Claro	Dr. Antonio B. Rocha	1
Muntinlupa Science HS (JHS)		Hydrologic Respiration for Plant Sustainability “	Angela Nicole C. Marmeto	John Fitz Gerald M. San Pedro	Dr. Florante C. Marmeto	2
ROBOTICS & INTELLIGENCE MACHINE TEAM						
Muntinlupa Science HS (JHS)		ANCOPAD-e (Anti- Covid Parcel Disinfectant	Jade Morgan C. Suarez Xyrelle Ericka Martinez Jonash James Monserrat	John Fitz Gerald M. San Pedro	Dr. Florante C. Marmeto	1
Muntinlupa National HS (JHS)		Firebot: Enhanced Fire Detecting Robot	Danel T. Pabustan, Daniela D. Rawat, Ma. Lourain Ann H. Rivera	Ms. Margaret V. De Claro / Noel Quita	Dr. Antonio B. Rocha	2
Muntinlupa National HS (JHS)		dRhine: Drive System Robot	Rhine Gillian M. Segovia, Daphne Mae De Luna, Beulah Dawn Soriaso	Ms. Margaret V. De Claro	Dr. Antonio B. Rocha	3
Muntinlupa Science HS (JHS)		“The Utilization of ArFIDS System Upon Entering an Establishment “ArFIDS System (Arduino-based RFID Sanitation System)	John Gabriel B. Banadera Yvonne S. Bangate Jaymee Rose M. Sumawang	John Fitz Gerald M. San Pedro	Dr. Florante C. Marmeto	4
TOTAL		18				

Winners of DIVISION SCIENCE and TECHNOLOGY FAIR 2022

STEMTIKTOKEPERIMENTS Category

SCHOOL	Grade Level	Title	Learners	Coach	School Head	RANK
JHS						
1.MNHS (JHS)	9	Annikamazing	Maria Annika R. Espinosa	Ms. Mary Grace C. De Vera	Dr. Antonio B. Rocha	1
SHS						
MNHS (SHS)	11	Redox Reaction	Khayzle Ensley G. Ogayon	Mr. George B. Gatdula II	Dr. Antonio B. Rocha	1
MSHS (SHS)	11	Physics Newton's Law	Xavier Bonaventure C. Manuel	Ms. Lady Edlenill Jamela Tavu	Dr. Florante C. Marmeto	2
TOTAL		3				