



Republic of the Philippines
Department of Education
NATIONAL CAPITAL REGION

SCHOOLS DIVISION OFFICE OF MUNTINLUPA CITY

Office of the Schools Division
Superintendent

NOV 13 2024

DIVISION MEMORANDUM

No. 314, s. 2024

WINNERS OF THE 2024 REGIONAL SCIENCE AND TECHNOLOGY FAIR

To: Assistant Schools Division Superintendent
Chief, Curriculum Implementation Division
Chief, School Governance and Operations Division
Education Supervisor in Mathematics and Science
Public School District Supervisors
School Heads/OICs
All Others Concerned

1. This office announces all the winners in the recently concluded **2024 REGIONAL SCIENCE AND TECHNOLOGY FAIR**, held on November 6-8, 2024, at Quezon City Science High School.
2. Appreciation is extended to the school heads, coaches, teachers, and parents for their invaluable support during the event as mentioned above.
3. The winners and their school heads are invited for presentation on Monday, November 18, 2024 at 7:30 AM during the Project SERVES.
4. Immediate dissemination of this memorandum is desired.

Violeta M. Gonzales
VIOLETA M. GONZALES

Assistant Schools Division Superintendent
Officer-In-Charge
Office of the Schools Division Superintendent

Encl: As stated
Reference: As stated
To be indicated in the **Perpetual Index**

Under the following subjects:
SCIENCE EDUCATION

RESEARCH OR STUDIES

LEARNERS

314 CCA/November 11, 2024
NUM-2024-314



Student Center for Life Skills Bldg., Centennial Ave, Brgy Tunasan,
Muntinlupa City
(02) 8829-2308, (02) 8478-2846
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WINNERS OF THE 2024 REGIONAL SCIENCE AND TECHNOLOGY FAIR

Category		Research Title	Student-Researchers	Teacher-Trainers	School	Award
Physical Science	Individual	Phytochemical Analysis and Optimization of Talahib Leaf Extract for Transdermal Patch Formulation; Development of a Potential Wound Healing Agent	Michael John B. Rojo	Princess C. La Rosa	MNHS	Best Presenter 2 nd Place Lourdes Choice Award, Php 10,000
Robotics and Intelligent Machines	Team	GENDUCK: Gender Identification of Itik Pinas-Kayumanggi Eggs Through Eccentricity Analysis Using Raspberry PI and Open CV Image Processing	Yoshi Sean T. Apuntar Jowee Austin G. Magturo Jasel Angela S. Berones	Chandler Erickson A. Cachuela	MSHS	Best Display Board
Mathematics and Computational Science	Individual	Mathematical Modeling of the Hypoxiainducible Factor Pathway Under Varying Oxygen Levels and its Effect on the Glycolytic Pathway of Cancer Cells	Benedict John R. Caperocho	Mark Archei O. Javier	MSHS	2 nd Place Lourdes Choice Award, Php 10,000
	Team	Traffic Light Phasing Optimization at Oversaturated Four-Phased Cross Intersections Enhancing Webster's Formula with Traffic Equation Using Simulation of Urban Mobility (SUMO)	Charlene Nicole D. Padre-e Sabien Caligner Max Angelo G. Basio	Chandler Erickson A. Cachuela	MSHS	4 th Place
Life Science	Individual	Carcinogenic Risk Assessment of Sodium Hypochlorite Exposure to Mallard Eggs	Alfonso Gabriel V. Soliveres	Mark Archei O. Javier	MSHS	5 th Place



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Science Innovation Expo	Team	Photovoltaic Panel Performance Optimization Via Bio-Based Phase Change Material Integration: A Study of Beef Tallow, Palm Olein, Paraffin Wax, and Iron Wool Composite Evaluated T-History Method	Greff Aeon P. Bautista Edralyne P. Brigola	Geraldine Gonzales	MSHS	2 nd Place
Bida Siyensya Future Hospital Innovations	Team	GAMAI (Global Assistant for Medical Aid and Intelligent Care)	Rowel D. Grate Joshua Miguel B. Quiocho John Reyn Santino R. Villaester	Margaret Declaro	MNHS	Best Project