




Republic of the Philippines  
**Department of Education**  
NATIONAL CAPITAL REGION



**REGIONAL MEMORANDUM**

ORD-2024- 247

**TO :** **SCHOOLS DIVISION SUPERINTENDENTS**

**FROM :** **JOCELYN DR. ANDAYA**   
Director IV

**SUBJECT :** **Finalists to the 2024 National Science and Technology Fair**

**DATE :** March 18, 2024

This is in reference to the attached Memorandum dated March 4, 2024, from Leila P. Areola, Director IV, Bureau of Learning Delivery, Officer-in-Charge, Bureau of Curriculum Development, relative to the above-captioned subject on April 1-5, 2024, in NCR, exact venue to be announced later, contents of which are self-explanatory, for information and appropriate action.

Enclosed is the list of official delegates. Moreover, the Division Math and Science Supervisors and the President of NCR Research Advisers Association are enjoined to observe the conduct of the NSTF.

Expenses for the official delegates such as food, board and lodging shall be charged to BCD funds. Official delegates' travel and other related expenses such as printing of display poster, printing of paper, soft binding, and other incidental expenses shall be charged to school's MOOE or local funds, while the regional delegates/observers' expenses such as transportation, board and lodging, and other incidental expenses shall be charged to MOOE or any other local funds, subject to usual accounting and auditing rules and regulations.

Immediate dissemination of this Memorandum is desired.



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**OFFICIAL DELEGATES**

Regional Director	Jocelyn DR Andaya		
Chief Education Program Supervisor (CLMD)	Micah G. Pacheco EPS, OIC Chief, CLMD		
Adult Observers	Earl Francis C. Merilles	SDO-Quezon City	
	Diosdado C. Espiritu Jr.	SDO-Quezon City	
	Dioscorro G. Lumogdang III	SDO - Valenzuela	
	John Francis S. Cultura	SDO – Mandaluyong	
	Karl Erniell Arambulo	SDO – Navotas	
	Genevieve C. Vasquez	SDO – Quezon City	
	Ma. Pilar O. Capalongan	EPS, SDO-Quezon City	
Student Researchers	Josiah Christopher Q. Cruz	SDO – Quezon City	
	Alyanna Marie S. Iliw-iliw	SDO – Quezon City	
	Lucia Faye T. Tagupa		
	Mark Jared V. Teng		
	Karl Ellson O. Zurbano	SDO – Manila	
	Angelica A. Prellegera	SDO – Quezon City	
	Ram Fonzy S. Bobis	SDO – Quezon City	
	Teodor L. Escobido		
	Trixie Paulyn M. Manuel		
	Leandro S. Asunan		SDO – Valenzuela
	Kyle Christian M. Cloma	SDO – Mandaluyong	
	Matthew Allan S. Fernandez		
	Wyndle Wyne R. Calansingin	SDO – Navotas	
	Kylie Q. Cruz		
	Mark Louis Y. Tiongco		SDO – Quezon City
	Fiona Margarette S. Ayeras		
Lahlaine Joy M. Esparrago			

**REGIONAL OBSERVERS / DELEGATES**

DIVISION EDUCATION PROGRAM SUPERVISORS	Mathematics	Science
Caloocan City	Jennifer Mondoy	Emeterio Macarubbo
Las Pinas City	Gina Aguitez	Laprizal Castrueras
Makati City	Michael Loo	Hernan Apurada
Malabon City	Evelyn Callada	Manolo Davantes
Mandaluyong City	Restituto Rodelas	Roxane Villanueva
Manila City	Remyllinda Soriano	Merie Gerlie Capiral
Marikina City	Dominador Villafria	Jessica Mateo
Muntinlupa City	Lambert Quesada	Armida Oblinada
Navotas City	Alberto Tiangco	Jocelyn Agulto Don King Evangelista



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		NCR Research Advisers Association President
Paranaque City	Emma Cunanan	Corazon Javier
Pasay City	Rogelio Junio	Maripaz Mendoza
Pasig City	Teresita Tagulao	Liza Alvarez
Quezon City	Joel Feliciano	Maria Pilar Capalangan
San Juan	Helen Acedo	Bradley Loo
Taguig City and Pateros	Mirasol Rongavilla	Marivic Almo
Valenzuela City	Marilyn Soriano	Lea Prondo



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Republic of the Philippines  
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 BUREAU OF CURRICULUM DEVELOPMENT

Office of the Director  
 OM CSDD, BCD-2024-145

For : **JOCELYN DR ANDAYA**  
 Regional Director  
 DepEd National Capital Region

**Attn: REGIONAL SCIENCE AND MATH SUPERVISORS**

From : **LEILA P. AREOLA**  
 Director IV, Bureau of Learning Delivery  
 Officer-in-Charge, Bureau of Curriculum Development

Subject : **FINALISTS TO THE 2024 NATIONAL SCIENCE AND TECHNOLOGY FAIR**

Date : March 4, 2024

The Department of Education, through the Bureau of Curriculum Development of the Curriculum and Teaching Strand, congratulates the finalists to the **2024 National Science and Technology Fair (NSTF)** from your region. Listed in Table 1 are the projects that successfully met the standards of the National Scientific Review Committee.

Table 1: 2024 NSTF Finalists

National Capital Region				
Category	Research Title	School	Proponent/s	Adviser
1. Life Science [Individual]	Anticancer Potential of Molave ( <i>Vitex parviflora</i> Juss.) Crude Leaf Ethanolic Extract Against Lung Cancer Cells (A549 and GL01)	Quezon City Science High School	1. Josiah Christopher Q. Cruz	1. Earl Francis C. Merilles
2. Life Science [Team]	Herbicidal Effects of Rice Straw Extract ( <i>Oryza sativa</i> L.) on the Seedling Viability of Itchgrass ( <i>Rottboellia cochinchinensis</i> )	Quezon City Science High School	1. Alyanna Marie S. Iliw-Iliw 2. Lucia Faye T. Tagupa 3. Mark Jared V. Teng	1. Earl Francis C. Merilles
3. Physical Science [Individual]	Feasibility of Taal Volcanic Scoria as Radiation Attenuating Property	Cayetano Arellano High School	1. Karl Ellson O. Zurbano	1. Neil Juvert F. Valentin o



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	for Construction Aggregates			
4. Robotics and Intelligent Machines [Individual]	Arduino-Based Autonomous Navigation to Detect Solid Metals for Ground Contamination Recovery (ANDAR)	Quezon City Science High School	1. Angelica A. Prellegera	1. Earl Francis Merilles
5. Robotics and Intelligent Machines [Team]	Time Scheduler and Earthquake Alarm System – Tseqas Using Ev3 Module	Holy Spirit National High School	1. Ram Fonzy S. Bobis 2. Teodor L. Escobido 3. Trixie Paulyn M. Manuel	1. Diosdad C. Espiritu Jr.
6. Mathematics and Computational Science [Individual]	Geometry of Taxicab Parabolas Identifying the Relationship between the Latus Rectum-Focal Distance Ratio and Directrix in Non-slant Parabolas	Valenzuela City School of Mathematics and Science	1. Asunan, Leandro S.	1. Dioscoro G. Lumogdang III
7. Mathematics and Computational Science [Team]	LUMOS: Lighting Using Mathematical Optimization System in Non-Reflective Cuboid Rooms with Upright Objects	City of Mandaluyong Science High School	1. Kyle Christian M. Cloma 2. Matthew Allan S. Fernandez 3. Wyndle Wyne R. Calansingin	1. Mr. John Francis S. Cultura
8. Science Innovation Expo [Individual]	DASCA: Enabling Connection - A Specialized Augmentative Alternative Communication (AAC) Application for Breaking Language and Speech Communication Barriers among Filipino Citizens	Navotas National Science High School	1. Kylie Q. Cruz	1. Karl Erniell D. Arambulo
9. Science Innovation	A Solar-Powered Smart Traffic Light	Quezon City Science	1. Tiongco, Mark Louis Y.	1. Genevieve C. Vasquez



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Expo [Team]	System for Emergency Vehicles Prioritization Using AI-Enhanced Machine Learning Framework	High School	2. Ayeras, Fiona Margarette S. 3. Esparrago, Lahlaine Joy M.	
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Moreover, the breakdown of the official number of delegates in your region is shown in Table 2.

Table 2: Regional Delegates

	Number of Official Delegates
Regional Director	1
Assistant Regional Director	1
Chief Education Program Supervisor (CLMD/CID)	1
Regional Science EPS	1
Regional Mathematics EPS	1
Adult Observers	4
Student Researchers	17

The official finalists per category are required to bring the following during the conduct of the NSTF.

- Four hard copies each of the revised manuscripts, soft-bound and color coded;
- Regional shirt for the opening program and one (1) formal wear for the awarding ceremony; and
- Display poster with a dimension of 34 by 67 inches.

Likewise, please advise the participants to pre-register online through this link <https://bit.ly/NSTF2024Pre-registration>. In addition, Regional Science EPS shall receive a link for an online drive folder where the 30-second regional shoutout video and the 2x2 pictures of student-researchers will be uploaded following these filename formats:

Region\_Shoutout  
(e.g. Region1\_Shoutout)

Region\_Category code\_Researcher's Surname\_First name\_Middle initial  
(e.g. Region1\_PSI\_Delacruz\_Juan\_J)

The Learner Media Release Consent Form with the filename **"2024\_NSTF\_Learner-Media-Release-Consent-Form"** can also be accessed in the same drive folder. The Regional Science EPS shall download the form to be accomplished by the student-researchers. The Regional Science EPS shall upload the accomplished form to the drive.

The conduct of the NSTF will be moved from March 11-15, 2024 to April 1-5, 2024 in a venue in NCR to be announced through an Advisory. The official delegation's



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travel expenses shall be charged against local funds, subject to the usual accounting and auditing rules and regulations.

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