



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

Office of the Schools Division
Superintendent

JUL 14 2022

DIVISION MEMORANDUM
No. 153, s. 2022

**WINNERS OF THE REGIONAL SCIENCE AND
TECHNOLOGY FAIR (RSTF) FOR SY 2021-2022**

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, their coaches and School Heads for winning in the different categories in Regional Science and Technology Fair 2022. This is a milestone that we have to celebrate- an indication of dedication and commitment to excellence. Let us sustain in this achievement as rally behind the Division SMART Program.

Category: StemTokperiments Senior High School

School	Name	Coach	Principal	Rank
Muntinlupa National HS -SHS	Khayzle Ensley G. Ogayon	Mr. George B. Gatdula	Dr. Antonio B. Rocha	3RD

2. Attached is the list of regional winners.
3. Immediate and wide dissemination of this Memorandum is desired.


CARLEEN S. SEDILLA CESO V
Schools Division Superintendent

Encl: As stated
Reference: DepEd NCR Memorandum No. 40, s. 2022
To be indicated in the Perpetual Index
Under the following subjects:

CONTEST PROGRAMS WINNERS

ASO/DM- Winners of the Regional Science and Technology Fair (RSTF) for SY 2021-2022
153 / July 13, 2022

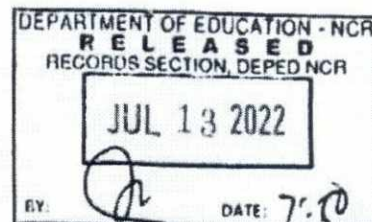


Student Center for Life Skills Bldg., Centennial Ave, Brgy Tunasan,
Muntinlupa City
(02) 8805-9935, (02) 8805 - 9940
sdo.muntinlupa@gmail.com





Republic of the Philippines
Department of Education
NATIONAL CAPITAL REGION



DNCR-F-ORD-037/RO/01112019

July 11, 2022

MEMORANDUM

No. 409, s. 2022

**WINNERS OF THE REGIONAL SCIENCE AND TECHNOLOGY FAIR (RSTF)
FOR SY 2021-2022**

To: School Division Superintendents

1. The Department of Education -National Capital Region (DepEd-NCR) through the Curriculum and Learning Management Division (CLMD) announces the winners of the virtual Regional Science and Technology Fair (RSTF) for SY 2021-2022 held on July 6-8, 2022.
2. The winners of the RSTF for SY 2021-2022 are shown in the following enclosures:
 - Enclosure 1- List of Winners
 - Enclosure 2- NSTF2022 Qualifiers
3. This Office congratulates the Regional winners, Schools Division Superintendents, Asst. Schools Division Superintendents, CID Chiefs, Education Program Supervisors in Mathematics and Science and Coordinators, School Heads, NCR Research Association Officers, and Trainers for the successful conduct of the RSTF for SY 2021-2022. Moreover, we acknowledge the full support of SDO Quezon City through Schools Division Superintendent Dr. Jenilyn Rose Corpuz for allowing Quezon City Science HS to be the onsite venue of the RSTF Technical Working Group.
4. Immediate and wide dissemination of this Memorandum is desired.

WILFREDO E. CABRAL

Regional Director, DepEd NCR and
Officer-in-Charge, Office of the Undersecretary
Human Resource and Organizational Development

In: As stated

Reference: Regional Memorandum No. 258, s. 2022

Attachment: 1

To be indicated in the Perpetual Index
under the following subjects:

AWARD
SCHOOLS
STUDENTS/PUPILS

CONTESTS
OFFICIALS

SCIENCE EDUCATION
TEACHERS





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ENCLOSURE 1: LIST OF REGIONAL WINNERS

REGIONAL SCIENCE AND TECHNOLOGY FAIR FOR SY 2021-2022
LIST OF WINNERS

Category: LIKHA LIFE SCIENCE INDIVIDUAL

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	LAS PINAS CITY	Antibacterial Potential of Bioactive Metabolites from Endophytic Fungi Isolated from Water Hyacinth (<i>Eichhornia crassipes</i>) Against Coliform Bacteria	Jeanine Cielsey I. Revaula	Las Piñas City National Science High School	Ayra Patricia S. Alvero	Leonora L. Lustre	Dr. Raquel Austero	Dr. Joel Torrecampo
SECOND	PARANAQUE CITY	In Silico Analysis of <i>Gracilaria</i> spp. Metabolites on YfdX Blockade in the Prevention of <i>Salmonella typhi</i> Infection	Francheska Vicedo	Paranaque Science High School	Ernie C. Singson	Ruel Grafil	Dr. Corazon Javier	Dr. Evangeline Ladines
THIRD	NAVOTAS CITY	Detection of Microplastics and Cytotoxicity Levels of Raw and Commercially Available Salt in Navotas City	Doreen Beatriz D. Zarate	Filemon T. Lizan Senior High School	Kim Darren D. Vidal	Oliver Sanchez	Mr. Russell Samson	Dr. Alejandro Ibanez
FOURTH	QUEZON CITY	Anti-Angiogenic Potential of Rambutan (<i>Nephelium lappaceum</i>) Leaves Aqueous Solution in Ex-Ovo Duck (<i>Anas platyrhynchos</i>) Chorioallantoic Membrane (CAM) Assay	Pristine Margaux I. Sarayba	San Bartolome HS	Juvy T. Rendaje	Joseph Palisoc	Dr. Maria Pilar Capalongan	Dr. Jenilyn Rose Corpuz



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FIFTH	PASAY CITY	Antimicrobial Properties of Skin Mucus Acidic Extract from Milkfish (<i>Chanos chanos</i>) against <i>Staphylococcus aureus</i> and <i>Escherichia coli</i>	Rica Angela Calubaquib	Pasay City National Science High School	Johann Shaira S. Malicana	Sonny J. Adriano	Dr. Maripaz Mendoza	Dr. Loreta Torrecampo
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Category: LIKHA LIFE SCIENCE TEAM

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	CALOOCAN CITY	Anthelmintic Activity of <i>Leucaena glauca</i> (Ipil-ipil): A Possible Treatment for Schistosomiasis	Apollo Dion D. Reyes Jasmine J. Aquino Prince Mharl L. Gantalao	Camarin High School	Magdaline P. de Luna	Ferdinand A. De Leon	Dr. Emitterio Macarubbo	Dr. Nerissa Losaria
SECOND	TAGUIG CITY AND PATEROS	Cytotoxicity and Antitumor Screening of Cassia alata Fruit Extract on Brine Scrimp (<i>Artemia salina</i>) Nauplii and Potato (<i>Solanum tuberosum</i>) Discs	Asliah Mae P. Macarimban Khriz Jell S. Zapais	Sen. Renato "Compañero" Cayetano Memorial Science & Technology High School	Gleza Lynn N. Asenas	Maria Elena N. Cometa	Dr. Marivic Almo	Dr. Margarito Materum



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THIRD	LAS PINAS CITY	Biocontrol Potential Of Carvacrol Treated Rice (<i>Oryza sativa</i>) Against Vector Green Leafhopper (<i>Nephotettix virescens</i>)	Anselmo Delima Jr. Donn Zacchary Hernandez Jemuel Clyde Lemence	Las Piñas City National Science High School	Ruth G. Bonagua	Leonora L. Lustre	Dr. Raquel Austero	Dr. Joel Torrecampo
FOURTH	VALENZUELA CITY	Feasibility of <i>C.cephalonica</i> to digest microplastics as subject for Bioremediation	Gabrielle T. Lerum, Jade R. De Sotto, Mark Raven L. Quinto	Canumay East NHS	Mary Riczelle A. Lorzano	Maria Patricia S. De Vera	Dr. Maria Lea Prondo	Dr. Meliton Zurbano
FIFTH	MANDALUYONG CITY	<i>PEGylated-PEI-green synthesized silver nanoparticles (PEGylated-PEI-AgNPs): synthesis, characterization, and potential for gene vector</i>	Christian Luis R. Bernardo; Maria Rafaela V. Pelagio Cherie Anne C. Grospe	City of Mandaluyong Science High School	Princess Ashley A. Mina	Roderick R. Mendiola	Ms. Roxane Villanueva	Dr. Romela Cruz



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Category: PHYSICAL SCIENCE INDIVIDUAL

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	MARIKINA CITY	Constructing a Localized Vertical Axis Wind Turbine (VAWT) as an Alternative Energy Source in Sta. Elena High School	Edwin Jr. P. Poblare	Sta. Elena High School	Russel S. Berador	Jeffrey C. Trinidad	Ms. Jessica Mateo	Dr. Sheryll Gayola
SECOND	PASAY CITY	Fabrication of Self-Healing Polymer for Rubber Insulator using Hexadecane as a Liquid Monomer for Silicon Dioxide Nanocapsule Extracted from Guadua Bamboo Leaves	Nes Luis Madronio	Pasay City National Science High School	Johann Shaira S. Malicana	Sonny J. Adriano	Dr. Maripaz Mendoza	Dr. Loreta Torrecampo
THIRD	TAGUIG CITY AND PATEROS	Coconut Shell Biochar Supported-Zinc Oxide/Zinc Oxide-Potassium Oxide Catalysts for Biodiesel Production	Sidney Claire B. Pizarro	Sen. Renato "Compañero" Cayetano Memorial Science and Technology High School	Oliver A. Lahorra	Maria Elena N. Cometa	Dr. Marvic Almo	Dr. Margarito Materum
FOURTH	VALENZUELA CITY	Feasibility of Terminalia catappa L. as a source of Second-Generation Bioethanol	Nessrine M. Mahmoud Alqashami	Canumay East National High School	Darren S. Hilario	Maria Patricia S. De Vera	Dr. Maria Lea Prondo	Dr. Meliton Zurbano



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FIFTH	LAS PINAS CITY	Chitosan Bioplastics: A Demineralized and Deacylated Alternative Plastic for Single-use Utensils	Samantha Gabrielle S. Muralla	Las Piñas City National Science High School	Lyneth Z. Cabria	Leonora L. Lustre	Dr. Raquel Austero	Dr. Joel Torrecampo
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Category: PHYSICAL SCIENCE TEAM

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	MALABON CITY	Okra (<i>Abelmoschus esculentus</i>) Fruits and Lakatan Banana (<i>Musa acuminata Colla</i>) Peels Ethanolic Extracts as Cathodic and Anodic Corrosion Inhibitor and Lubricant Lacquer for Metallic Surfaces	Keith C. Ayeras Yohan Miguel F. Ambal Xenon N. Roxas	Malabon National High School	Lowell G. Alfonso	Ma. Victoria R. De Gulan	Dr. Manolo Davantes	Dr. Mauro De Gulan
SECOND	VALENZUELA CITY	Development and Validation of SMS – Speed Messaging Emergency System	Alecs Xyrl A. Garcia Earl C. Jared Christian Dayne R. Menderico	Valenzuela School of Mathematics and Science	Loreta L. Salvador	Jaime S. De Vera Jr.	Dr. Lea Prondo	Dr. Meliton Zurbano
THIRD	NAVOTAS CITY	Extraction of Hydroxyapatite from Slipper-shaped Oyster Shells (<i>Crassostrea</i>) Utilizing the Sol-gel Method for 3D Printer Filament	Sofia Loren Celine G. Alejandrino Anika Mae P. Aviles Charlene Mae O. Gagatiga	Navotas National Science High School	Don King O. Evangelista	Russel Samson	Mr. Russel Samson	Dr. Al Ibanez



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FOURTH	TAGUIG CITY AND PATEROS	Adsorption of Heavy Metals (Pb+, Hg+) in Aqueous Solution Using Snake Plant Fiber Modified via Chemically-Induced Graft Copolymerization of Acrylonitrile (An) and Acrylamide (Am)	Zephan Angelo de Leon Vince Uriel Gonzales	Sen. Renato "Compañero" Cayetano Memorial Science and Technology High School	Oliver A. Lahorra	Maria Elena N. Cometa	Dr. Marivic Almo	Dr. Margarito Materum
FIFTH	PASAY CITY	DegredaZERO: Synthesis and Characterization of Magnetic NiZrO ₂ /Coconut Shell Derived Multiwalled Carbon Nanotubes (MWCNTs) Nanocomposites in the Photocatalytic Degradation of High-Density Polyethylene (HOPE) Microplastics from Wastewater	Lucie Gabrielle D. Echon Ronczesca A. Marasigan Precious Paola A. Paragas	Pasay City National Science High School	Ms. Johann Shaira S. Malicana	Sonny J. Adriano	Dr. Maripaz Mendoza	Dr. Loreta Torrecampo

Category: ROBOTICS AND INTELLIGENT MACHINE INDIVIDUAL

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	PASAY CITY	BACTEVIDIA: Bacterial Leaf Blight (BLB) Detection in Rice Fields using Deep Learning Models	Xyve Alfred Flores	Pasay City National Science High School	Johann Shaira S. Malicana	Sonny J. Adriano	Dr. Maripaz Mendoza	Dr. Loreta Torrecampo
SECOND	MANILA CITY	HealthWrist	Thistle Zhi D. Caindoy	Ramon Magsaysay High School	Ma. Chat Donna V. Ofilas	Gene T. Pangilinan	Ms. Rebecca Roxas	Dr. Maria Magdalena Lim



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THIRD	CALOOCAN CITY	Real Life Disaster Resilience Simulation Game as Alternative for Face-To-Face Disaster Drills this COVID-19 Pandemic.	Renato C. Causing II	Caloocan City Science High School	Toshio Akira Capintog	Dr. Jocelyn M. Alinab	Dr. Emitterio Macarubbo	Dr. Nerissa Losaria
FOURTH	MARIKINA CITY	iGuibot: Real-Time Object Detection for Visually Impaired People	John Paul G. Poliquit	Sta. Elena High School	Noreen D. Mabbagu	Jeffrey C. Trinidad	Ms. Jessica Mateo	Dr. Sheryl Gayola
FIFTH	NAVOTAS CITY	AMPS: Automatic Microprocessor-based digester as a plastic waste management System.	Airon Matthew F. Bantillo	Navotas National Science High School	Don King O. Evangelista	Russel Samson	Mr. Russel Samson	Dr. Al Ibanez

Category: ROBOTICS AND INTELLIGENT MACHINE TEAM

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	Quezon City	ReMSea: Removal of Microplastic in Seawater Using Magnetic Carbon Nanotube-Embedded Robot	JADRIEL MIRAH C. TADAYA BIENVENIDO L. MENDOZA III HANNAH ELLORIA V. LOPEZ	Quezon City Science High School	GENEVIEVE C. VASQUEZ	Carolyn Simon	Dr. Maria Pilar O. Capalangan	Dr. Jenilyn Rose Corpuz



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SECOND	Marikina City	Obstacle Identifier for Blind Person: A Feasibility Study	Micah Cualing Lyme J. Mislang Alexa Antoinette P. Sambale	Marikina Science High School	Mark Anthony Casimiro	Maria A. Nicolas	Ms. Jessica Mateo	Dr. Sheryll Gayola
THIRD	Caloocan City	SAMASAKA: Solar-powered Agricultural Management System for Automated Crop Rotation Scheduling and SIM-based Data Network Transmission	Jaybby I. Magallanes Kaith Nicole G. Dungca Dhianna Michelle A. Cruz	Caloocan National Science and Technology High School	Myla N. Callada	Pricila T. Catananuan	Mr. Emiterio Macarubbo	Dr. Nerissa Losaria
FOURTH	Las Pinas City	IoT-based Temperature regulated Fan Coordinated with Pulse Oximeter and Emergency Sound System (ITerF POESS Project)	Michelle Erika B. Conte Janella Erin F. Guterrez Reese Antonia C. Padua	Las Piñas City National Science High School	Ruth G. Bonagua	Leonora L. Lustre	Dr. Raquel Austero	Dr. Joel Torrecampo
FIFTH	Navotas City	IMPACT: INTERNET OF THINGS MANGROVE PROTECTION AND CONSERVATION TECHNOLOGY VIA LORA	John Emmanuel G. Javines	Navotas National Science High School	Don King O. Evangelista	Russel Samson	Mr. Russel Samson	Dr. Al Ibañez



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		MODULE FOR INTERNET DEPRIVED AREAS	Joseph Gil S. Gonzales					
			Mark Joseph M. Escamilla					

Category: LIKHA MATHEMATICS AND COMPUTATIONAL SCIENCES INDIVIDUAL

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	QUEZON CITY	Limitless Intersections: A Mathematical Investigation on the Maximum Number of Intersections Formed by an Optimal Configuration of a Finite Set of Convex Polygons and Circles	Citrei Kim K. Padayao	Quezon City Science High School	Arnaldo I. Chua	Carolyn Simon	Joel Feliciano	Dr. Jenilyn Rose Corpuz
SECOND	MANDALUYONG CITY	PMASHA-256: A Password Manager Application with an Integrated Secure Hash Algorithm 256-bit	Zosimo P. Nera, Jr.	City of Mandaluyong Science High School	Nadia L. Ollos	Roderick R. Mendiola	Restituto Rodelas	Dr. Romela Cruz
THIRD	PASAY CITY	ADBAYES: A Bayesian dynamical model for prediction of Alzheimer's Disease progression.	Rafael C. Pascual	Pasay City National Science High School	Ms. Rexielle Joy Villareal & Ms. Johann Shaira S. Malicana	Sonny J. Adriano	Rogelio S. Junio	Dr. Loreta Torrecampo
FOURTH	TAGUIG CITY & PATEROS	Cash-Less, Cash-Free: A Predictive Analysis for Financial Literacy and E-Money Usage Growth Amid COVID 19	John Paul D. Dela Rosa	Sen. Renato "Companero" Cayetano Memorial	Patrick B. Ribano	Maria Elena N. Cometa	Mirasol Rongavilla	Dr. Margarito Materum



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		Pandemic in the Philippines		Science and Technology High School				
FIFTH	VALENZUELA CITY	Math Testing: A Theoretical Evaluation of Different Algorithms in Resource-Efficient COVID-19 Testing	Joaquin Iñigo G. Castillejos	Valenzuela School of Mathematics and Science	Loreta L. Salvador	Jaime S. De Vera Jr.	Marilyn Soriano	Dr. Meliton Zurbano

Category: LIKHA MATHEMATICS AND COMPUTATIONAL SCIENCES TEAM

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	PASAY CITY	SEIZ Epidemiological Model on Tiktok: The Study of Trends and Dynamics of Misinformation in the Philippines	Sherlyn C. Rodriguez Nathania Audrey D. Ursos	Pasay City National Science High School	Ms. Patricia Hablado & Ms. Johann Shaira S. Malicana	Sonny J. Adriano	Rogelio S. Junio	Dr. Loreta Torrecampo
SECOND	TAGUIG CITY & PATEROS	Wheels on the go: Application of Dijkstra's Algorithm to the Minimization of Fuel Cost of Tricycles in Taguig City	Fatima Eloisa M. Lico Ma. Chelsea Eline Mertie R. Manio Jose Julio A. Munoz	Sen. Renato "Companero" Cayetano Memorial Science and Technology High School	Herwina Limpasan	Maria Elena N. Cometa	Marisol Rongavilla	Dr. Margarito Materum
THIRD	MAKATI CITY	Forecasting Typhoon Tracks Using Polynomial Regression	John Clarence B. Cruzado	Makati Science High School	Leobert T. Rebancos	Eden F. Samadan	Michael Lee	Dr. Rita Riddle



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		Models	Matthew Ivan R. Galvez Daphne Zachary G. Ladroma					
FOURTH	CALOOCAN CITY	Corporate Inventory and Sales (CIS) Software: An Inventory System Software for Improved Storage Regulation, Growth Tracking, and Advanced Sales Forecast	Francis R. Abaya Christopher Johan Isian Y. Datahan Derick Andre P. Juan	Caloocan National Science and Technology High School	Ador Antonio F. Batac	Pricila T. Catanauan	Jennifer Mondoy	Dr. Nerissa Losaria
FIFTH	CITY OF MANILA	Statistical Analysis on The Vulnerability of Grade 7 Students in Determining Fake News with Different Degrees of Fabrication of The 2022 Presidential Candidates' Information	Liana Estelle N. Esquilona Ramon Andrew P. Lopez II Tristan Jedrick M. Nacis	Manila Science High School	Diana Grace B. Aniban	Ligaya G. Guides	Remy Linda Soriano	Dr. Maria Magdalena Lim



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Category: SIYENSIKULA

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	PASIG CITY	CRISPR-Cas9	Zyanne Vernice C. Consador	Pasig City Science High School	Nico S. Risos	Charlie O. Fababaer	Ms. Liza A. Alvarez	Dr. Ma. Evalou Concepcion A. Agustin
SECOND	MAKATI CITY	Protein Synthesis	James Harold B. Mananquil	Benigno "Ninoy" S. Aquino High School	Leonilyn A. Cortes	Lilybeth D. Sagmaquen	Mr. Hernan L. Apurada	Dr. Rita E. Riddle
THIRD	MANDALUYONG CITY	Curvatures and Gauss' Theorema Egregium	Kyle Christian M. Cloma	City of Mandaluyong Science High School	John Francis S. Cultura	Roderick R. Mendiola	Dr. Restituto Rodelas	Dr. Romela M. Cruz
FOURTH	TAGUIG CITY AND PATEROS	Radioactive Decay: Spontaneity in Action	Sheree Anne A. Espanillo	Western Bicutan NHS	Jayar E. Longasa	Rea Milana-Cruz	Dr. Marivic T. Almo	Dr. Margarito B. Materum
FIFTH	VALENZUELA CITY	How does Earth quake? Shake It! Shake It!	Mark Jhonsen M. Bognot	Malinta SHS	Leslie S. Aguilar	Mr. Edwin L. Valera	Dr. Maria Lea Q. Prondo	Dr. Meliton Zurbano



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Category: STEM TOKPERIMENTS JUNIOR HS

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	MALABON CITY	Floating Garden Experiment	Ashley M. Ferrer	Tugatog National High School	Shirley B. Berondo	Elsie P. Emerenciana	Dr. Manolo Davantes	Dr. Mauro C. De Gula
SECOND	PARANAQUE CITY	3D Hologram	Ma. Eloisa Taliman	Paranaque National High School-Main	Donna T. Gonzales	Gerry A. Lumaban	Dr. Corazon Javier	Dr. Evangeline Ladines
THIRD	TAGUIG CITY AND PATEROS	The Wave Universe	Aloma Faith S. Catu	Taguig Science High School	Lea Rowena O. Cabugon	Nelson S. Quintong	Dr. Marivic Almo	Dr. Margarito Materum
FOURTH	QUEZON CITY	DIY Water Distiller	Jake Roldan S. Bondoc	Novaliches HS	Mrs. Anniebeline A. Ramos	Zaida M. Padullo	Dr. Maria Pilar Capalongan	Dr. Jenilyn Rose Corpuz
FIFTH	VALENZUELA CITY	The Walking Water Experiment (Capillary Action)	Alianah Jhoy A. Lariosa	Polo NHS	Albert Saguinsin	Eddie A. Alarte	Dr. Maria Lea Prondo	Dr. Meliton Zurbano



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Category: STEM TOKPERIMENT SENIOR HS

RANK	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
FIRST	MARIKINA CITY	Childhood Invisible Ink Experiment: A Play on Acids and Bases	Sofia Gabrielle A. Veluz	Marikina Science High School	Hazel Castro	Maria A. Nicolas	Dr. Jessica Mateo	Dr. Sheryll Gayola
SECOND	TAGUIG CITY AND PATEROS	Snell's Law of Refraction	Vivo, Icen Rose	Taguig Science HS	Langcay, Petronila Erlinda	Nelson S. Quintong	Dr. Marivic Almo	Dr. Margarito Materum
THIRD	MUNTINLUPA CITY	Copper Plating	Khayzle Ensley G. Ogayon	Muntinlupa National High School Main-SHS	George B. Gatdula II	Antonio B. Rocha	Dr. Armida Oblinada	Dr. Carleen Sedilla
FOURTH	MAKATI CITY	STEM TOKPERIMENTS	James Leo Bides Gollayan	Fort Bonifacio High School	Pearl Catherine B. Dela Cruz	Rosalito N. Palatan	Mr. Hernan Apurada	Dr. Rita Riddle
FIFTH	NAVOTAS CITY	Oobleck Slime Experiment	ALYZON J. RIVERA	Navotas National Science High	Karl Erniell D. Arambulo	Russell P. Samson	Mr. Russel P. Samson	Dr. Alejandro Ibañez



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Category: SHOUT OUT

RANK	SDO	DIVISION MATH and SCIENCE SUPERVISORS	SDS
FIRST	Makati City	Mr. Hernan Apurada Mr. Michael Lee	Dr. Rita Riddle
SECOND	Pasay City	Dr. Maripaz Mendoza Dr. Rogelio Junio	Dr. Loreta Torrecampo
THIRD	Las Pinas City	Dr. Raquel Austero Dr. Gina Aguitez	Dr. Joel Torrecampo
FOURTH	Navotas City	Mr. Russel Samson Mr. Alberto Tiangco	Dr. Al Ibañez
FIFTH	Malabon City	Dr. Manolo Davantes Dr. Evelyn Callada	Dr. Mauro De Gulan

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ENCLOSURE 2: National Science and Technology Fair 2022 Qualifiers

CATEGORY	SDO	TITLE	NAME	SCHOOL	COACH	PRINCIPAL	EPS	SDS
SIYENSIKULA Entry Number 1	PASIG CITY	CRISPR-Cas9	Zyanne Vernice C. Consador	Pasig City Science High School	Nico S. Risos	Charlie O. Fababaer	Ms. Liza A. Alvarez	Dr. Ma. Evalou Concepcion A. Agustin
SIYENSIKULA ENTRY Number 2	MAKATI CITY	Protein Synthesis	James Harold B. Mananquil	Benigno "Ninoy" S. Aquino High School	Leonilyn A. Cortes	Lilybeth D. Sagmaquen	Mr. Herman L. Apurada	Dr. Rita E. Riddle
STEMTOKPERI MENTS JHS	MALABON CITY	Floating Garden Experiment	Ashley M. Ferrer	Tugatog National High School	Shirley B. Berondo	Dr. Elsie P. Emerenciana	Dr. Manolo Davantes	Dr. Mauro C. De Gula
STEMTOKPERI MENTS SHS	MARIKINA CITY	Childhood Invisible Ink Experiment: A Play on Acids and Bases	Sofia Gabrielle A. Veluz	Marikina Science High School	Hazel Castro	Maria A. Nicolas	Dr. Jessica Mateo	Dr. Sheryll Gayola
LIKHA: LIFE SCIENCE INDIVIDUAL	LAS PINAS CITY	Antibacterial Potential of Bioactive Metabolites from Endophytic Fungi	Jeanine Cielsey I. Revaula	Las Piñas City National Science High School	Ayra Patricia S. Alvero	Leonora L. Lustre	Dr. Raquel Austero	Dr. Joel Torrecampo



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		Isolated from Water Hyacinth (<i>Eichhomia crassipes</i>) Against Coliform Bacteria						
LIKHA: LIFE SCIENCE TEAM	CALOOCAN CITY	Anthelmintic Activity of <i>Leucaena glauca</i> (Ipil-ipil): A Possible Treatment for Schistosomiasis	Apollo Dion D. Reyes Jasmine J. Aquino Prince Mharl L. Gantalao	Camarin High School	Magdaline P. de Luna	Ferdinand A. De Leon	Dr. Emiterio Macarubbo	Dr. Nerissa Losaria
LIKHA: PHYSICAL SCIENCE INDIVIDUAL	MARIKINA CITY	Constructing a Localized Vertical Axis Wind Turbine (VAWT) as an Alternative Energy Source in Sta. Elena High School	Edwin Jr. P. Poblares	Sta. Elena High School	Russel S. Berador	Jeffrey C. Trinidad	Ms. Jessica Mateo	Dr. Sheryll Gayola

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LIKHA: PHYSICAL SCIENCE TEAM	MALABON CITY	Okra (<i>Abelmoschus esculentus</i>) Fruits and Lakatan Banana (<i>Musa acuminata Colla</i>) Peels Ethanollic Extracts as Cathodic and Anodic Corrosion Inhibitor and Lubricant Lacquer for Metallic Surfaces	Keith C. Ayeras Yohan Miguel F. Ambal Xenon N. Roxas	Malabon National High School	Mr. Lowell G. Alfonso	Ma. Victoria R. De Gulan	Dr. Manolo Davantes	Dr. Mauro De Gulan
LIKHA: ROBOTICS AND INTELLIGENT MACHINE INDIVIDUAL	PASAY CITY	BACTEVIDIA: Bacterial Leaf Blight (BLB) Detection in Rice Fields using Deep Learning Models	Xyve Alfred Flores	Pasay City National Science High School	Johann Shaira S. Malicana	Sonny J. Adriano	Dr. Maripaz Mendoza	Dr. Loreta Torrecampo
LIKHA: ROBOTICS AND INTELLIGENT	QUEZON CITY	ReMSea: Removal of Microplastic in Seawater Using	JADRIEL MIRAH C. TADAYA	Quezon City Science High School	GENEVIEVE C. VASQUEZ	Carolyn Simon	Dr. Maria Pilar O. Capalongan	Dr. Jenilyn Rose Corpuz



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MACHINE TEAM		Magnetic Carbon Nanotube-Embedded Robot	BIENVENIDO L. MENDOZA III HANNAH ELLORIA V. LOPEZ					
LIKHA: MATHEMATICS AND COMPUTATIONAL SCIENCES INDIVIDUAL	QUEZON CITY	Limitless Intersections: A Mathematical Investigation on the Maximum Number of Intersections Formed by an Optimal Configuration of a Finite Set of Convex Polygons and Circles	Citrei Kim K. Padayao	Quezon City Science High School	Arnaldo I. Chua	Carolyn Simon	Dr. Joel Feliciano	Dr. Jenilyn Rose Corpuz
LIKHA: MATHEMATICS AND COMPUTATIONAL SCIENCES TEAM	PASAY CITY	SEIZ Epidemiological Model on Tiktok: The Study of Trends and Dynamics of Misinformation in the Philippines	Sherlyn C. Rodriguez Nathania Audrey D. Ursos	Pasay City National Science High School	Ms. Patricia Hablado & Ms. Johann Shaira S. Malicana	Sonny J. Adriano	Dr. Rogelio S. Junio	Dr. Loreta Torrecampo



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