



30-18150

6/6/23

Republic of the Philippines
Department of Education
REGION IV-A

SCHOOLS DIVISION OFFICE OF CAVITE PROVINCE

DIVISION MEMORANDUM

NO. 225, s. 2023

5 June 2023

**ANNOUNCEMENT OF FINALISTS TO THE DIVISION
SCIENCE AND TECHNOLOGY FAIR 2023**

TO: Office of the Assistant Schools Division Superintendent
Chief, CID and SGOD
Education Program Supervisors
Public School District Supervisors
Public and Private Elementary and Secondary School Heads
Division Personnel
All Concerned

1. The Schools Division Office of Cavite Province through the Curriculum Implementation Division announces the finalists to the Division Science and Technology Fair 2023.

2. The list of finalists per category is in the enclosure. Coaches are instructed to register online at <https://tinyurl.com/DSTF2023Registration> on or before June 10, 2023.

3. The schedule of DSTF activities are as follows:

Date	Activity	Command Center
June 10-11, 2023	Elementary Competition	Felipe Calderon ES, Tanza, Cavite
June 17-18, 2023	Secondary Competition	Bancal ES, Carmona, Cavite
June 24-25, 2023	Awarding Ceremonies and Cliniquing of SIP Competition Winners (SHS only)	Trece Martires City NHS, Trece Martires City

4. Only the technical working group and other selected teaching and related-teaching personnel listed in the enclosure will convene at a command center during the competition proper.

5. Transportation expenses of the participants and technical working group shall be charged against MOOE or local funds of their respective schools or offices subject to the usual accounting and auditing rules and regulations.



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
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6. This Office grants the teacher-participants and TWG a maximum of six (6) days of service credits corresponding to their engagement in the activity during weekends. Non-teaching / teaching-related personnel involved in the activity shall also be given the same privilege in terms of compensatory time off.
7. For questions and clarifications, please send an email to the Curriculum Implementation Division (Attention: Dr. Riza D. Soberano) at depedcavite.science@deped.gov.ph.
8. For immediate and widest dissemination.

ROSEMARIE D. TORRES, CESO V
Schools Division Superintendent

RDS/DM NO. **225** S.2023
80-18150/06/06/2023



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Enclosure to Division Memorandum No. 225, s. 2023 Announcement of Finalists to the Division Science and Technology Fair 2023

DIVISION SCIENCE AND TECHNOLOGY FAIR 2023


SCIENTIFIC REVIEW COMMITTEE SCREENING


LIST OF FINALISTS FOR SCIENCE INVESTIGATORY PROJECT (SIP) / LIKHA COMPETITION

I. ELEMENTARY LEVEL

No.	Code	Title of the Study	Name of Researcher/s	Coach	School	District
I. Life Science (Individual Category)						
1	SIP-LS-I_D12-S1-01	The Efficacy Of Rice (<i>Oryza sativa</i>) Water And Coconut (<i>Cocos nucifera</i>) Water As growth Enhancer For Various Plants	Lorenze Clyde Javen C. Palen	Cesar G. Concha	San Antonio Elementary School	Noveleta
II. Life Science (Team Category)						
2	SIP-LS-T_D12-S1-02	Comparison In The Effectiveness Of Hydrogen Peroxide In The Growth Of Various Edible Plants	Shaine Lhanea C. Menez John Angelo E. Rusit Luke Benward R. Eleazar	Cesar G. Concha	San Antonio Elementary School	Noveleta



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III. Physical Science (Individual Category)						
1	SIP-PS-I_D14-S1-01	Eco Bricks Out of Plastic Wastes as Sustainable Building Materials	Hailley Jace L. Chua	Kathleen May M.Baybayan	Bagong Buhay Elementary School	Silang
2	SIP-PS-I_D12-S1-03	Automatic Watering Plant System: A Solution For Excessive Plant Withering	Mark Justine L. Aquino	Cesar G. Concha	San Antonio Elementary School	Noveleta
IV. Physical Science (Team Category)						
1	SIP-PS-T_D14-S1-01	The Potential Of TalisayNuts (<i>Terminalia catapra</i>) As Eco Oil	Arabella Niesha G. Cabrera Althea Helene Matubang Jace Denzel A. Asuncion	Kathleen May M.Baybayan	Bagong Buhay Elementary School	Silang
2	SIP-PS-T_D13-S1-04	Automated Low Voltage Hydroelectric Flood Alarm	Rhenz Jacob P. Manjares Heinz H. Vargas Lance G. Ong	Lloyd R. Parquez	Tejeros Convention Elementary School	Rosario
3	SIP-PS-T_D02-S1-05	Cafe' Ink (A Natural Highlighter Ink Using Coffee (Genus Coffea) And Unfiltered Honey	Gliane Dhee Kezlee B. Costelo Dave C. Balmes Jacob P. Calubiran	Johnoel L. Valencia Dennis D. De Guzman	Amadeo Elementary School	Amadeo



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4	SIP-PS-T_D12-S1-08	Seashell Waste Cement Bricks: A Potential Way Of Recycling Seashell Waste	Tristen Joyce L. Salinas Criselle B. Sison Cassiedy Ariel D. Javier	Cesar G. Concha	San Antonio Elementary School	Noveleta
5	SIP-PS-T_D11-S1-09	Extraction of Bioethanol From As-Is (<i>Ficus coronata</i>) Fruit	Narlen Linghap Jen Zeida R. Castillo Rhaidael P. Arcala	Reymarck T. Semana	Ibayo Elementary School	Naic
6	SIP-PS-T_D11-S1-10	Use of Hog Manure as Extender for Making Concrete Bricks	Mielle V. Mendoza James Ezekyyelle S. Malinis Ma. Sophia France M. Pabalate	Evelyn A. Chua	Naic Central Elementary School	Naic
7	SIP-PS-T_D15-S1-11	Sustainable Bioplastic From Gelatin And Eggshell: An Alternative To Petroleum-Based Plastic	Jia Hao L. Lu Mariachi Antonio D. Tercias Vincent Emmanuel Bayas	Rosalyn D. Sonajo	Maitim II Elementary School	Tagaytay City
8	SIP-PS-T_D01-S1-12	Moringa Oleifera As Scrap Book Paper: An Environment -Friendly Science Investigatory Project For Young Entrepreneurs	Marc Nouwen S. Javier Daphene Fkei H. Cruto Janica L. Rollon	Geralyn H. Alcazar	Alfonso Central School	Alfonso
9	SIP-PS-T_D18-S1-15	Banana Peel(Musa Sapientum) And Gumamela (Hibiscus Rosa-	Nigel Lance F. Arcilla Stephanie	Cyrelle S. Zulueta	Hugo Perez Elementary School-Annex	Trece Martires City



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		Sinensis) Extract As Floor Polisher	Jayne A. Dela Pena Ronn Carliel Cadua			
V. SIP_SIE (Individual Category)						
1	SIP-SIE-I_D12-01	Project AWAD: (Automatic Water Dispenser): A Contactless Water Dispensing Machine	Dane Angelique S. Sandiego	Cesar G. Concha	San Antonio Elementary School	Noveleta
2	SIP-SIE-I_D11-02	F-ALARM:Fire Detection And Alarm System Using Arduino Programming	Stefanie Frances M. Dela Pena	Jennifer H. Icaro	Naic Elementary School	Naic
VI. SIP_SIE (Team Category)						
1	SIP-SIE-T_D02-01	Pap-Co Bag Utilization Of Papaya Leaves And Trunks As An Alternative Materials For Production Of Paper Bags	Kaizly Vhenisse B. Montefario Juan Antonio R. Panganiban Kier Darwin V. Magsumbol	Shelly F. Villanueva Aira H. Villanueva	Amadeo Elementary School	Amadeo
2	SIP-SIE-T_D12-03	Project Tec2(Thermoelectric Charger 2): An Alternative Source Of Electricity For Mobile Phones	Jee-An Jessica H. Cantufar Jesus Sofia L. Alabas Shanelle B. Handa	Cesar G. Concha	San Antonio Elementary School	Noveleta



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3	SIP-SIE-T_D07-04	Charpapel: Paper Charcoal Production, A Sustainable Approach For Waste Management	Juan Antonio B. Toledo Hector Samuel T. Arquiza Faith Trixie D. Sapanghila	Lenny R. Dela Cruz	Aguinaldo Elementary School	Kawit
VII. JHS SIP LIFE (Individual Category)						
1	SIP-LS-I-D15-S2-01	Cobitex: <i>Coffea canephora</i> (Coffee), <i>Hibiscus rosa sinensis</i> (Gumamela), and <i>Vitex negundo</i> (Lagundi) Extracts as <i>Escherichia coli</i> and <i>Staphylococcus aureus</i> Inhibitors	Lawrence Madison S. Bayot	Arbyll Gregoria S. Javier	Tagaytay City Science National High School-Integrated Senior High School	Tagaytay
2	SIP-LS-I-D07-S2-03	Coagulation And Flocculation Of <i>Moringa oleifera</i> (Malunggay) Seeds And <i>Abelmoschus esculentus</i> (Okra) Mucilage	Angela May L. Manalo	Christine Joy D. Dela Vega Rebecca V. Vida	Emiliano Tria Tirona Memorial National Integrated High School	Kawit



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3	SIP-LS-I-D03-S2-04	Manila Tamarind (<i>Pithecellobium dulce</i>) Leaves Extract As Direct Fungal Antagonist of Rice Blast Pathogen (<i>Magnaporthe oryzae</i>)	Guian Abby Pauline O. Sibuyo	Nanette D. Jalon	Carmona National High School	Carmona
4	SIP-LS-I-D16-S2-05	Bio-pesticidal Effect of Talampunay (<i>Datura metel</i>) extract against Termites (Isoptera)	Jaimee Ann D. Manalili	Mary Grace C. Doroteo Emilene L. Patino	Tanza National Comprehensive High School	Tanza
5	SIP-LS-I-D18-S2-06	Ecorox: Extraction And Utilization Of Citric Acid Obtained From Granadilla (<i>Passiflora flavicarpa</i>) Peels As A Stain Removal For Cotton, Silk, Linen Fabric	Annika Phoebe Y. Gesmundo	Maria Leonora V. Sosa	Trece Martires City National High School	Trece Martires City
6	SIP-LS-I-D09-S2-08	Molluscicidal Activity of <i>Zamioculcas zamiifolia</i> (Welcome Plant) Leaf Extract Against <i>Pomacea canaliculata</i> (Golden Apple Snail)	Gian H. Lucero	John Edsel A. Varias	Cavite Science Integrated School	Maragondon
VIII. JHS SIP LIFE (Team Category)						
1	SIP-LS-T-D07-S2-03	Anti-hyperlipidemic Potential of <i>Persea americana</i> (Avocado)	Donita Junell D. Muyade	Jonna Rose D. Santos	Emiliano Tria Tirona	Kawit



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		Seeds Ethanolic Extract using Colorimetric Analysis	Tyrone Jikaine T. Ladanán Clark William D. Macol	Christy C. Sombrano	Memorial National Integrated High School	
2	SIP-LS-T-D03-S2-04	Inhibitory Effect Of Peppermint (<i>Mentha piperita</i>) And Oregano (<i>Oreganum vulgare</i>) Crude Extract Against Mango Stem-End Rot	Ashley Nicole C. Gaw Alarice Rose M. Baaten Marthina Chloe G. Par	Nanette D. Jalon	Carmona National High School	Carmona
3	SIP-LS-T-D16-S2-05	Analysis And Optimization Of Kalachuchi (<i>Plumeria rubra</i>) Extract As Potential Organic Floral Attractant For Mosquito (Culicidae)	Maria Claire D. Subbilaga Chris Anne S. Moreno Venice Mae P. Taal	Mary Grace C. Doroteo Emilene L. Patino	Tanza National Comprehensive High School	Tanza
4	SIP-LS-T-D18-S2-06	Evaluation Of Antimitotic Activity Of A Polyherbal Formulation Containing Ethanolic Extract Of <i>Artemisia vulgaris</i> (Damong Maria) And Aqueous Extract Of <i>Moringa oleifera</i> (Malunggay)	Charmaine Angella S. Faytaren Siarin John B. Pajarillo Ma. Karylle Kaye N. Alonzo	Rosalyn A. Sapad Alfred William Son T. Sapad	Trece Martires City National High School	Trece Martires City



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5	SIP-LS-T-D09-S2-07	Cytotoxic and Antioxidative Properties with Total Flavonoid Content and Total Phenolic Content of Lesser Yam (<i>Dioscorea esculenta</i> (Lour.) Burkill) Leaf Ethanolic Extract against A549 Human Lung Cancer Cell Line	Kim Cyrel A. Castillo Reneigh Lilac B. Concepcion Mariel Nicole C. Tamayo	Laizel Marlee D. Loyola	Bucal National High Integrated School	Maragondon
6	SIP-LS-T-D09-S2-08	In-vitro Evaluation of the Antioxidant and Cytotoxicity Potential of <i>Selenicereus undatus</i> (Dragon fruit) Stem Extract	Sophia Berdeen T. Angue Elyzza Jan Marie U. Anonueva Mark Jimuel P. Nioko	John Edsel A. Varias	Cavite Science Integrated School	Maragondon
7	SIP-LS-T-D02-S2-10	Kamias (<i>Averroha bilimbi</i>) Extract As Tomato Growth Enhancer	Patrick Lorenz A. Ambat Richard Paolo B. Felipe Sean Kenley R. Loyola	Klarizze Anne H. Bautista	Amadeo National High School	Amadeo
IX. JHS SIP PHYSICAL (Individual Category)						
1	SIP-PS-I-D15-S2-01	Growth And Yield Of Mung Bean: A Comparison Between	Princess Diana S. Bayot	Crystal I. Ruiz	Tagaytay City Science	Tagaytay



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		<i>Musa paradisiaca L.</i> (Banana) And <i>Persea americana</i> (Avocado) Peels As A Potassium-Rich Fertilizer			National High School- Integrated Senior High School	
2	SIP-PS-I-D07-S2-03	Synthesis and Characterization of WASP: A Water and Alcohol Soluble Plastic out of Rice Bran and Potato Peel Biopolymer	Emilaine D. Ignao	Eric Laurence Gandia Shery C. Setenta	Emiliano Tria Tirona Memorial National Integrated High School	Kawit
3	SIP-PS-I-D03-S2-04	Decomposition of Potato and Banana Peels: Ameliorants of Primary Soil Nutrient Content	Giann Paulo T. Ayson	Nanette D. Jalon	Carmona National High School	Carmona
4	SIP-PS-I-D16-S2-05	Paper from Banana Fibers (<i>Musa acuminata</i>) and Patola (<i>Luffa acutangula</i>) as Alternative Packaging Material	Lawrence Benedict V. Sayson	Mary Grace C. Doroteo Emilene L. Patino	Tanza National Comprehensive High School	Tanza
5	SIP-PS-I-D09-S2-06	Properties Of Shrimp (<i>caridea</i>) Shell – Based Bioplastic With Glycerol As Plasticizer	Jade Vincent Balala	Laizel Marlee D. Loyola	Bucal National Integrated School	Maragondon



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6	SIP-PS-I-D09-S2-07	Combination of Dried Coconut (<i>Cocos nucifera</i>) Husks Fibers and Polyethylene Terephthalate (PET) as an Aggregate to Improved Compressive Strength of Concrete in Making Hollow Blocks	Charmel B. Tesorio	John Edsel A. Varias	Cavite Science Integrated School	Maragondon
X. JHS SIP PHYSICAL (Team Category)						
1	SIP-PS-T-D15-S2-01	AERATRUM: Win-Powered Electric Generator Infused With An Activated Carbon Filter Prototype	Venz Allendrei P. Maliwanag Kirsten Gabriel H. Para Luke Gabriel I. Tabrilla	Elsa S. Rodil	Tagaytay City Science National High School- Integrated Senior High School	Tagaytay
2	SIP-PS-T-D07-S2-04	Fabrication and Synthesis of Dye-Sensitized Solar Cell using Chlorophyta (Green Algae) as Photosensitizer	Ailey Jhae U. Alvarez Jewel Alexxa L. Maca Precious Lindsay Carpio	Eric Laurence Gandia Jemely A. Anciano	Emiliano Tria Tirona Memorial National Integrated High School	Kawit



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3	SIP-PS-T-D03-S2-05	POW Soil Conditioners: Chlorophyll Content Enhancers of String Bean Plants (<i>Phaseolus vulgaris</i>)	Jaden L. Fortuna Zedric Eidrian S. Balanon Francille Eunice D. Delos Reyes	Carmona National High School	Nanette D. Jalon	Carmona
4	SIP-PS-T-D16-S2-06	Production of Particle Boards from the Fibrous Extract of Snake Plant (<i>Dracaena trifasciata</i>) and Coconut (<i>Cocos nucifera</i>) Husks	Jake Thomas T. Aricayos Janella Jesrill P. Abrenica Nicole Anne M. Sabater	Tanza National Comprehensive High School	Mary Grace C. Doroteo Emilene L. Patino	Tanza
5	SIP-PS-T-D18-S2-07	AdEPT: An Adaptable and Energy-Providing Wind Turbine	David J. Lor Vanessa Rochelle B. Tan Aryanna D. Delfin	Alfred William Son T. Sapad	Trece Martires City National High School	Trece Martires City
6	SIP-PS-T-D01-S2-08	Commercially Made Straw As An Alternative To Nylon In Designing A Tensegrity Table	Kate Ronnette J. Majorenos Gabrielle Gift D. Villanueva Lawrence Cielo M. Coopera	Reynaldo Jr. S. Olarve	Alfonso Integrated High School	Alfonso



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7	SIP-PS-T-D09-S2-9	Unlocking Golden Apple Snail Shell's Hidden Potential: A Creative Method for Enhanced Ceramic Tiles	Mark C. Custodio Abegail C. Linezo Jasmin Jade D. Sernat	Laizel Marlee D. Loyola	Bucal National Integrated School	Maragondon
XI. JHS SIE (INDIVIDUAL)						
1	SIP-SIE-I-D07-S2-01	Sustainable Portable Peltier Cooling Module	Cathrine Lorraine A. Ventura	Celso L. Latosa Nina Angela P. Cate	Emiliano Tria Tirona Memorial National Integrated High School	Kawit
2	SIP-SIE-I-D03-S2-02	TGM: Trash Guard Monitoring Machine	Gwyneth Jahzara Apante	Roxanne M. Licaros Margie A. Tingcang	Carmona National High School	Carmona
3	SIP-SIE-I-D18-S2-03	Organ Master: HEBRAL (Heart, Brain, and Lungs) A Mobile Game Application	King Alexis A. Dumaquita	Lipsherillgay R. Geronimo	Trece Martires City National High School	Trece Martires City
4	SIP-SIE-I-D01-S2-04	The Use of a Recycled Bus AC Blower Fan as an Alternative Power Source	Krishna D. Taguiam	Kimberly Anne B. Ferran	Alfonso Integrated High School	Alfonso
XII. JHS SIE (TEAM)						



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1	SIP-SIE-T-D07-S2-02	Construction And Evaluation Of SHIP (Sound And Heat Insulating Panel) Out Of Cigarette Filters	Aliyah Marielle Olaes Keren Mae M. Pajares Sharri Alanis L. Reola	Eric Laurence Gandia	Emiliano Tria Tirona Memorial National Integrated High School	Kawit
2	SIP-SIE-T-D03-S2-03	Tradelo: A Water-Resistant Robot For Transporting, Detecting, And Locating In Rescue Missions	Venice Anne M. Bayugo Christel Aliyah P. Gonzales Dean Lorenz A. Remorozo	Roxanne M. Licaros Margie A. Tingcang	Carmona National High School	Carmona
3	SIP-SIE-T-D16-S2-04	Moringauze: The Fabrication of Non-Sterile Gauze Rolls Using Malunggay (<i>Moringa oleifera</i>) Stalks	Patricia Maisie Lyn R. De Villa Kimberly Sheine V. Martin Esperanza U. Ramos	Mary Grace C. Doroteo Emilene L. Patino	Tanza National Comprehensive High School	Tanza
4	SIP-SIE-T-D13-S2-05	Solar Powered Waste Segregator	Carmel Francisco Maria Antonio Canas Julianna Columna	Grace A. Desca	Rosario National High School	Rosario



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5	SIP-SIE-T-D09-S2-07	Maragondon River Monitoring Device Using Arduino Uno R3	Louis Andrei T. Acosta Pryce Meier V. Caserano Alvin Gabriel M. Onda	Laizel Marlee D. Loyola	Bucal National Integrated School	Maragondon
6	SIP-SIE-T-D01-S2-08	Enhancement Of Signal Strength Of Wi-Fi Router Using Tin Foil	Mikyla Hitomi J. Alto Ronald Carl R. Bagay Jaden Andrei B. Rosanes	Kimberly Anne B. Ferran	Alfonso Integrated High School	Alfonso
7	SIP-SIE-T-D09-S2-09	PRERD: Personnels' Prescription-Reminding Device	Novy Clarisse D. Baron Jeanella Mae H. Diquit Mary Celine D. Romulo	John Edsel A. Varias	Cavite Science Integrated School	Maragondon
XIII. JHS RIM (INDIVIDUAL)						
1	SIP-RIM-I-D03-S2-01	AqWatIC: Aquaculture: Water Integrated Checker with SMS Information System	Ma. Rebwin Joy A. Tolentino	Roxanne M. Licaros	Carmona National High School	Carmona



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				Margie A. Tingcang		
2	SIP-RIM-I-D03-S2-02	MORU: Mosquito Repellent Sprayer and UV Light Disinfecting Robot	Andrea Gail M. Loreto	Preacy Ann B. Llantos	Rosario National High School	Rosario
3	SIP-RIM-I-D03-S2-03	M.E.D.U.S.A (Modular Emergency Device for Urgent Situation and Assistance): Using Arduino Nano and GSM Module with GPS	Cierra Ivran C. Carlos	Laizel Marlee D. Loyola	Bucal National Integrated School	Maragondon
XIV. JHS RIM (TEAM)						
1	SIP-RIM-T-D03-S2-01	HT-MoDe (Hand Therapy - Monitoring Device): A Hand Therapy Device with Pulse Rate Monitoring System	Ainey Georgia L. Aguilar Charmel Nicole V. Cania James R. Semira	Roxanne M. Licaros Margie A. Tingcang	Carmona National High School	Carmona
2	SIP-RIM-T-D13-S2-02	No-Face Mask Alarm: A Monitoring Device That Implements Wearing Facemask	Melcha Marie Gayoma Alex B. Bulan Althea Shelly Villena	Preacy Ann B. Llantos	Rosario National High School	Rosario



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3	SIP-RIM-T-D09-S2-03	SEEPATH: Arduino-based Rechargeable Cane Helper for Blind People	Franz Andrea V. Bendo Romelyn Faith M. Arangel Kyla B. Bautista	John Edsel A. Varias	Cavite Science Integrated School	Maragondon
XV. SHS SIP LIFE (INDIVIDUAL)						
1	SIP-LS-I-D16-S3-01	In Vitro Antidepressant Activity of Guso (<i>Kappaphycus alvarezii</i>) Ethanolic Extract in Chlorpromazine-induced (CPZ) Male Fruit Flies (<i>Drosophila melanogaster</i>)	Andrew James L. Patiño	Ma. Gretchen M. Medianista	Tanza National Comprehensive High School – Shs	Tanza
2	SIP-LS-I-D07-S3-02	Phytoremediation of Zinc-Contaminated Water Using Horsetail (<i>Equisetum hyemale</i>)	Michelle C. Tarle	Marvin Jay I. Maming	ETTMNIHS	Kawit
3	SIP-LS-I-D18-S3-03	Cytotoxic Activity of the Crude and Infusion Extracts of Waterleaf (<i>Talinum triangulare</i>) Using Brine Shrimp Lethality Assay	Paul Randall P. Maranan	Joylyn T. Añasco	Trece Martires City Senior High School	Trece Martires City



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4	SIP-LS-I-D09-S3-04	A Comparative Analysis Between the Phytochemical Properties of Madre de Cacao (<i>Gliricidia sepium</i>) and Ylang-ylang (<i>Cananga odorata</i>) Leaves Extract as Steel Corrosion Inhibitors	Maria Charelle R. Bayot	Jasmin E. Bago	Bucal National Integrated School	Maragondon
5	SIP-LS-I-D09-S3-05	<i>Musa acuminata x balbisiana</i> (Cardava Banana) Peels as Bio-flocculant Agent in the Detection and Absorption of Heavy Metals and Water Parameters in the Labac River	Lance Joseph M. Nuestro	Elain Malones	Cavite Science Integrated School	Maragondon
6	SIP-LS-I-D02-S3-06	Analysis of Waterfalls in Amadeo, Cavite	Sebastian Miguel D. Peñaflor	Loida A. Arce Mayette B. Pia	Amadeo National High School	Amadeo
XVI. SHS SIP LIFE (TEAM)						
1	SIP-LS-I-D07-S3-01	Larvicidal Activity of Croton Petra (<i>C. variegatum</i>) Young Stem Ethanolic Extracts Against <i>A. aegypti</i>	Reynaldo M. Gonzales Ishvy B. Dorham Jerome S. Azuela	Marvin Jay I. Maming	ETTMNIHS	Kawit



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2	SIP-LS-I-D18-S3-02	Antiuro lithic Activity of Chrysophyllm cainito (Caimito) Leaves Methanolic Extracts on Artificial Kidney Stones	Nicole Jandel L. Cabutotan Shariz Ann Marie C. Romulo Rica Joyce M. Sumagang	Jenny-Lyn M. Ramirez	Trece Martires City Senior High School	Trece Martires City
3	SIP-LS-I-D16-S3-03	Antigenotoxic Effects of Dill (Anethum graveolens L.) Crude Extracts in Allium cepa-based Test	Erik John S. Corre Angel E. Arellano Anthony Jose Balenia	Rachelle M. Nazareno	Tanza NCHS – Senior High School	Tanza
4	SIP-LS-I-D09-S3-05	Scavenging and Antioxidant Properties of Chili Pepper (<i>Capsicum frutescens L.</i>) Leaves Ethanolic Extract: A Primer to its Potential Effect on Urolithiasis	Angeli Mae B. Angon Lj Aerin M. Bersamina Coleen A. Dipon	Engr. Christian C. Signo	Bucal National Integrated School	Maragondon
5	SIP-LS-I-D09-S3-07	Hypoglycemic Potential of the Rind of Rambutan (<i>Nephelium lappaceum</i>) on Alloxan-Induced Male Sprague Dawley Rats	Kezhia Camille G. Quiacos Jasper Gwyneth A. Judilla Zyrin B. Beig	Elain Malones	Cavite Science	Maragondon
XVII. SHS SIP PHYSICAL (Individual Category)						



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1	SIP-PS-I-D16-S3-02	Development of Freshwater Filamentous Algae (Pond scum) and Lacatan (<i>Musa acuminata</i>) Fruit Peels Polyurethane Bio-composites	Ramos, Russeryn Seyn M.	Cerwin Edd Herrera	Tanza National Comprehensive High School	Tanza
2	SIP-PS-I-D18-S3-03	Design and Development of Small-Scale Hydropower Generation System Using Hydraulic Ram Pump	George Riemann R. Ferrer	Kevin Giane C. Duque	Trece Martires City National HS	Trece
3	SIP-PS-I_D16-S3-04	High-Density Polyethylene Waste and Epoxy Resin for the Formulation of Terrazzo Tiles	HARREN L. BUSLON	DR. EVELYN D. DULINO	Tanza National Trade School	Tanza
4	SIP-PS-I-D09-S3-06	COSMICAL: Continuous Oxygen Saturation Monitoring band using Infrared and red-light sensors with Cautionary Alarm Logs through Short Message Service (SMS)	Riana Natasha V. Quijano	Elain E. Malones	Cavite Science Integrated School	Maragondon
4	SIP-PS-I-D02-S3-07	Testing the Water Solubility and Soil Biodegradability of Rice (<i>Oryza sativa</i>) Starch, Jackfruit (<i>Artocarpus heterophyllus</i>) Starch, and Cassava (<i>Manihot</i>)	Chase D. Vidamo	Loida Arce	Amadeo NHS	Amadeo



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		<i>esculenta</i>) Starch-based Bioplastics				
5	SIP-PS-I-D15-S3-09	PROJECT EXIST (EXTRAORINARY INHALER: SEDATE AND TRANQUIL)	Roxanne S. Loyola		TAGAYTAY CITY SCIENCE NHS-ISHS	Tagaytay
XVIII. SHS SIP PHYSICAL (TEAM)						
1	SIP-PS-T-D15-S3-02	Utilization of Bioelectricity from Mango (<i>Mangifera indica</i>) Wood Ash and Charcoal in Empowering LED Light	Julius Vic B. Allita Jaynilene T. Arañas Melanie S. Dotollo	Marjorie Ann M. Herrera	Tanza National Comprehensive High School	Tanza
2	SIP-PS-T-D07-S3-03	Production and Evaluation of Calamansi (<i>C. microcarpa</i>) Exocarp Ethanolic Extract Insecticide Against Houseflies (<i>M. domestica linn.</i>)	Stephanie Q. Ramos Rafael T. Lorino Ma. Cristine Ann A. Esparcia	Marvin Jay I. Maming	Emiliano Tria Tirona Memorial National Integrated High School	Kawit
3	SIP-PS-T-D18-S3-04	Production of Briquettes out of Napier Grass (<i>Pennisetum purpureum</i>) as Alternative Solid Fuel Source	Ashley Jewel G. Soriano Rizza Mhae S.	Edlyn B. Matreo	Trece Martires City Senior High School	Trece Martires City



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			Taguiam Neil Nicer S. Tia			
4	SIP-PS-T-D09-S3-05	Self-Powered E-Bike: Electric Bicycle Power Generator Using Flywheel System	Amiel Dames Jerome S. Andaya Saimon A. Calma Adriel John B.Macalindong	Engr. Christian C. Signo	Bucal National Integrated School	Maragondon
5	SIP-PS-T-D09-S3-07	ManTa: Biomimicry of the Filtering Mechanism Used by <i>Manta birostris</i> (Oceanic Manta Ray) and <i>Tamisiocaris borealis</i> (Tamisiocaris) in Sieving Polyethylene Terephthalate (PET) Microplastics	Hazelle N. Millarpis Mary Immaculate A. Paule Dahlia Jade S. Diquit	Elain E. Malones	Cavite Science Integrated School	Maragondon
6	SIP-PS-T-D02-S3-08	The Effectivity of Cinnamon (<i>Cinnamomum zeylanicum</i>) Oil in Terminating Little Black Ants (<i>Monomorium Minimum</i>) and Black Carpenter Ants (<i>Camponotus pennsylvanicus</i>) in Robusta Coffee (<i>Coffea canephora</i>) Plant	Angelica C. Panganiban Jedrek V. Iyaya Klein John Brent C. Sangalang	Loida A. Arce	Amadeo National High School	Amadeo



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7	SIP-PS-I-D01-S3-09	Eco-Bags Made In Banana Stem Fiber:An Alternative To Commercial Plastic Bags	Jhonard A. Dimapilis Jack Daniel D. Varias Florelle Noel A. Encarnacion	Jenalyn S. Javier	Alfonso Integrated School	Alfonso
8	SIP-PS-I-D15-S3-10	Charion Pad: Making Of Anion Sanitary Pad Using Bamboo Charcoal Strip	Fiona Astrid G. Pura Claire Margarette A. Cubio Jerwin B. Agohon	Bianca Grace C. Opo	Tagaytay City Science	Tagaytay
XIX. SHS SIE (INDIVIDUAL)						
1	SIP-SIE-I _D07-S3-01	InStand: Contruction and Evaluation of Reading Book Stand	Francine Aira D. Ojera	Marvin Jay I Maming	Emiliano Tria Tirona Memorial Integrated National High School	Kawit
2	SIP-SIE-I _D18-S3-02	A Small Scaled Automated Collector and Converter System (ARCS):Harvesting Rainwater for Conversion into Clean Water Suited for Residential Used	Eljohn A. Cadalin	John Patrick T. Cacela	Trece Martires Senior High School	Trece Martires City



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3	SIP-SIE-I_D16-S3-04	Automated Electrocoagulation Aqua Purification System (AECAPS): An Arduino Based Automation in Treating Contaminated Water Through Electrocoagulation	Jennie Rose A. Bataclan	Elizabeth B. Maglaya	Tanza National Comprehensive High School	Tanza District
4	SIP-SIE-I_D02-S3-06	Utilizing Lantana (<i>Lantana camara</i>) Flower as Incense Repellent for Mosquito (<i>Aedes aegypti</i>)	Jethro L. Valencia	Loida A. Arce	Amadeo National High School	Amadeo
5	SIP-SIE-I_D09-S3-08	ICaneNavigate: IoT-Based Smart Cane for the Visually Impaired with Emergency Notification through SMS, Telegram Messages and Images	Philip Mathew B. Gloriani	Elaine Malones	Cavite Science Integrated School	Maragondon
XX. SHS SIE (TEAM)						
1	SIP-SIE-T_D16-S3-02	Arduino-Based PuriFlow Device: A Techno-Ecological Approach for Kitchen Sink	Justine Josh M. Pacumio, Joshua M. Selleza, Mark Lawrence A. Tee	Ma. Gretchen M. Medianista	Tanza National Comprehensive High School	Tanza



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2	SIP-SIE-T_D09-S3-03	Safety Electrical Outlet: Circuit Operation Management Through Optimizing Temperature Sensor	Daniella Marie M. Bello, Andrei Yuri M. Dino, Karl Leslie C. Reyes	Christian Signo	Bucal Integrated National High School	Maragondon
3	SIP-SIE-T_D02-S3-04	Utilization of Corn (Zea mays) Husks and Coconut (Cocos nucifera) Husks as Paper	Maria Barbara S. Zuniga, Crishia Jewel A. Creus, Janna Charis A. Morales	Loida A. Arce	Amadeo National High School	Amadeo
4	SIP-SIE-T_D09-S3-05	Anti-Den Unit: Autonomous Culicidae (Mosquito) Identification, Capturing, and Harvesting Unit	Jeneen R. Encarnacion, Ma. Angelica D. Rubio, Kristen Teli C. San Pedro	Elain E. Malones	Cavite Integrated High School	Maragondon
XXI. SHS RIM (INDIVIDUAL)						
1	SIP-RIM-I_D18-S3-01	Clean As You Control (CLAYCO): Remote-Controlled River Floating Waste Collector and Aquatab Ejector	Anjun T. Parco	Glenn L. Sampayan	Trece Martires City Senior High School	Trece Martires City
2	SIP-RIM-I_D16-S3-02	“AsphyBot: Arduino-Based Remote-Controlled Firefighting Robot”	Angela F. Bello	Chris Michael V. Santillan	Tanza National Comprehensive High School	Tanza



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3	SIP-RIM-I _D09-S3-03	SecuLarm: A Home Security Alarm Device with GSM for Temperature Detection and Intruders	Trish Maica R. Diosomito	Jasmin E. Bago	Bucal National Integrated High School	Maragondon
4	SIP-RIM-I _D0-S32-04	Exaruit Capulus: An Automated Coffee Drying Machine	Joi Aldrien C. Espineli	Loida A. Arce	Amadeo Integrated National High School	Amadeo
5	SIP-RIM-I _D09-S3-05	Arduino Driven Semi-Autonomous River Eco-Cruiser	Matt Laurence S. Mendoza	Elain E. Malones	Cavite Science Integrated National High School	Maragondon
XXII. SHS RIM (TEAM)						
1	SIP-RIM-T _D18-S3-01	MABAWS: Multi Functional Arduino Based Automated Waste Segregator	John Benedict A. Garcia, Christian P. Samudio, Katherine Nicole T. Penus	Glenn Sampayan	Trece Martires City Senior High School	Trece Martires City
2	SIP-RIM-T _D09-S3-02	VLigtas: Vehicle Accident Alert and Prevention System	Dannielle G. Camilo, Joella Fhayre M. Dino,	Christian C. Signo	Bucal National Integrated School	Maragondon



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			Julia Maxine T. Tesorio			
3	SIP-RIM-T_D09-S3-03	Project Corales: Coral Reef Alert System For Monitoring Coral Degradation Parameters Among Coral Reef Waters Physicochemical Properties Using Iot-Based Wireless Monitoring Sensor Networks	Rainier M. Guinto, Jirah May U Dualan, Juliana Elizabeth D. Fojas	Elain E. Malones	Cavite Integrated High School	Maragondon
4	SIP-RIM-T_D02-S3-04	Agapea Sporos: an automatic watering machine	Mickel Louise Dimapilis Noah Ace Liban Amor Joseph Fernandez	Loida A. Arce	Amadeo National High School	Amadeo
XXIII. JHS LIKHA LIFE (Individual Category)						
1	LKH-LS-I-D07-S2-02	Blumea balsamifera (Sambong) Leaf Ethanolic Extract as Acetylcholinesterase (AChE) Inhibitor in STZ-induced Mental Impairment in Mice	Sean Michael S. Caguiwa	Christine Joy D. Dela Vega	Emiliano Tria Tirona Memorial National Integrated High School	Kawit



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2	LKH-LS-I-D03- S2-03	Antiparasitic Activity of Pineapple Peels (<i>Ananas comosus</i>) Against Brown Dog Ticks (<i>Rhipicephalus sanguineus</i>)	Kriziel Ann M. Paco	Kevin C. Taguiban	Carmona National High School	Carmona
3	LKH-LS-I-D13- S2-04	“Efficacy of Malunggay (<i>Moringa oleifera</i>) leaf extract for delayed fruit ripening for Dragon fruit (<i>Hylocereus undatus</i>)	SKY MAE G. BUHAN	GRACE A. DESCA	ROSARIO NATIONAL HIGH SCHOOL	ROSARIO
4	LKH-LS-I-D09-S2-07	The Utilization of <i>Trametes</i> sp. (Bracket Fungi) Chitosan as a Potential Blood Coagulation Agent	Nicole Frances C. Payong	John Edsel A. Varias	Cavite Science Integrated School	Maragondon
XXIV. JHS LIKHA LIFE (Team Category)						
1	LKH-LS-T-D15-S2-01	Antihyperuricemic Activity of <i>Mimosa pudica</i> (Makahiya) Ethanolic Leaves Extract	Precious Gleemhane A. Carayap Ariane Jada Apelado Therese Natalie U. Barril	Christian L. Luna	Tagaytay City Science National High School- Integrated Senior High School	Tagaytay



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2	LKH-LS-T-D07-S2-02	SpillFix: Antipollution Activity of Rice (<i>Oryza sativa</i>) Husk as an Alternative Absorbent to Oil-Spill	Raven Ashley A. Gamat Eunice R. Marasigan Mauri Clarice A. Porquerino	Christine Joy D. Dela Vega	Emiliano Tria Tirona Memorial National Integrated High School	Kawit
3	LKH-LS-T-D03-S2-03	Antibacterial Activity of Phytochemicals from Kaong Seeds (<i>Arenga pinnata</i>) Against <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i>	Princess Hannah G. Benaloga Jan Patrick B. Gelasan Hendryx Maxell F. Reyes	Kevin C. Taguiban	Carmona National High School	Carmona
4	LKH-LS-T-D16-S2-04	The Utilization of Bryophyta (Moss) as an Alternative for Paraffin Wax in the Production of Candle Waxes	Irish Jade B. Cemanía Allena Rochelle M. Joya Kirsten Chien T. Joya	Mary Grace C. Doroteo Emilene L. Patino	Tanza Comprehensive High School	Tanza
5	LKH-LS-T-D09-S2-07	Analysis of <i>Pleurotus ostreatus</i> (Oyster Mushroom) as Mycoremediation Agent for Lithium-Ion Contaminated Soil	Roise Samuel F. Martinez Andy H. Sosa Jr. Joaquin S. Dumindin	John Edsel A. Varias	Cavite Science Integrated School	Maragondon



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6	LKH-LS-T-D05-S2-08	Coconut Husks and Mango Seed as Source of Production for Economical Biodiesel	Berneta Antoneth C. Bugarin Angelica Jay-An Guevarra John Lyster P. Tejano	Marites S. Atiquiera John Paul B. Lagamayo Nardo Bernardo C. Mola	General Mariano Alvarez Technical High School	GMA
XXV. JHS LIKHA PHYSICAL (Individual Team)						
1	LKH-PS-I-D15-S2-01	A.I. Smart Cane: A Disability-Friendly Technological Equipment for Blind People	Jhane Cyril M. Andres	Christian L. Luna	Tagaytay City Science National High School- Integrated Senior High School	Tagaytay
2	LKH-PS-I-DO7-S2-02	Development of Cartridge Filters Using Calcium Carbonate as Adsorbent Derived from Mussel Shells (<i>Perna Viridis</i>) as a Component of Foam Fillers in Mitigating Water Pollutants: <i>Cryptosporidium</i> and <i>Giardia</i>	Justin Aaron A. Tabbu	Christine Joy D. Dela Vega	Emiliano Tria Tirona Memorial National Integrated High School	Kawit



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3	LKH-PS-I-DO3-S2-03	Rice Waste as a Potential Source of Biofuel	Xyience Alva A. Asegurado	Kevin C. Taguiban	Carmona National High School	Carmona
4	LKH-PS-I-D18-S2-04	Inhibitory Effect of <i>Annona squamosa</i> (Sugar Apple) and <i>Peperomia pellucida</i> (Pansit-pansitan) Against <i>Pectobacterium carotovorum</i>	Maria Nhoelee N. Mangco	Rosalyn A. Sapad Alfred William Son T. Sapad	Trece Martires City National High School	Trece Martires City
5	LKH-PS-I-DO5-S2-08	Bioactivity Efficiency Of Chafing Fuel Derived From Crab Shell Waste Via Sol-Gel Combustion Synthesis	Janelle Faith B. Domingo	Marites S. Atiquiera John Paul B. Lagamayo Nardo Bernardo C. Mola	General Mariano Alvarez Technical High School	GMA
6	LKH-PS-I-DO2-S2-09	MPIS (Mosquito Pesticide Incense Stick): Its Effectiveness Against <i>Aedes aegypti</i>	Leeann Caresse A. Orbe	Myleen A. Venzon	Amadeo National High School	Amadeo
7	LKH-PS-I-D01-S2-11	The Use of Oregano Oil Lamp as an Alternative Mosquito Repellent	HANCE OLAGUER	REYNALDO JR. S. OLARVE	ALFONSO INTEGRATED HIGH SCHOOL	ALFONSO

XXVI. JHS LIKHA PHYSICAL (Team Category)



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1	LKH-PS-T-D15-S2-01	<i>Araxima hypourbita</i> ; A Natural Coagulant to Improve the Quality of Wastewater	Alyza S. Buenaventura Rikkimae S. Aure Bea Angeline C. Ramos	Christian L. Luna	Tagaytay City Science National High School-Integrated Senior High School	Tagaytay
2	LKH-PS-T-D07-S2-02	SoluCi: Utilization of Blood Orange (<i>Citrus sinensis</i> L. Osbeck) Fibers as Dissolvable Face Mask	Mijuenne R. Lim Maan D. Rebullar Rose Marie Oliver	Christine Joy D. Dela Vega	ETTMNIHS	Kawit
3	LKH-PS-T-D03-S2-03	PMFC Device Utilizing Azolla for Bio-Electricity Generation	Joachim Angelo A. Hermano Mariel Andrea D. Alejandro Audrey Hanna Mari A. Desiderio	Kevin C. Taguiban	Carmona National High School	Carmona
4	LKH-PS-T-D16-S2-04	Activated Charcoal as an Additive for Bioplastic Straws from Sweet Oranges (<i>Citrus sinensis</i>)	Stanley T. Buenvista Emmanuel David N. Perea Dianne Grace A. Alarde	Mary Grace C. Doroteo Emilene L. Patino	Tanza Comprehensive High School	Tanza



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5	LKH-PS-T-D18-07	PISTON: Plant Insect Suction Trap for Organic Pest Management	Mickole C. Pesimo Anton Metriou L. Custodio Elijah C. Sierra	Alfred William Son T. Sapad Rosalyn A. Sapad	Trece Martires City National High School	Trece Martires City
6	LKH-PS-T-D01-10	The Use Of Recycle Ac Blower Fan Operated By Stationary Bike As An Alternative Power Source	Mithi Marjolaine Sampang Brianna Faith V. Vidallon Ayessa Grace B. Mojica	Kimberly Anne B. Ferran	Alfonso Integrated High School	Alfonso
7	LKH-PS-T-D09-11	The Effectiveness Of Pandan (Pandanus Amaryllifolius) Leaf Fiber As Reusable Facemask Against Microcontaminants (Dust, Smoke, Pollen, Animal Hair)	Nezreen J. Clores Raine Jillian Cailao Casey Katrice L. Duatin	John Edsel A. Varias	Cavite Science Integrated School	Maragondon
8	LKH-PS-T-D05-S2-12	Efficiency And Sustainability Of A Diy Wind Turbine Generator: A Novel Approach To Renewable Energy Solutions	Jannelle Faith B. Domingo Miecas Lee D. Salazar Samantha Isabel P. Chavez	Marites S. Atiquiera John Paul B. Lagamayo Nardo Bernardo C. Mola	General Mariano Alvarez Technical High School	Gma



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XXVII. JHS LIKHA MCS (Individual Category)						
1	LKH-MCS-I-D07-S2-01	CIPHER: Mobile Application for Controlling Infectious Disease and Predicting Health Epidemic Response using SIR Model	Rain Mann D. Concepcion	Eric Laurence Gandia	Emiliano Tria Tirona Memorial National Integrated High School	Kawit
2	LKH-MCS-I-D09-S2-02	Simplified Formula for the Number of Skew Edges on Prisms	Chrenz Darren P. Malimban	John Edsel A. Varias	Cavite Science Integrated School	Maragondon
XXVIII. JHS LIKHA MCS (Team Category)						
1	LKH-MCS-T-D09-S2-01	TRAFT: Traffic Report Application using Formulas and Technology	Irvin Wayne A. Digo Princess Gwynette M. Tapang Mecaela Zosette P. Uy	John Edsel A. Varias	Cavite Science Integrated School	Maragondon
XXIX. JHS LIKHA RIM (INDIVIDUAL)						
1	LKH-RIM-I-D07-S2-01	SaltTech: An Arduino-based Salt Harvesting Technology	Precious Emerald C. Chavez	Eric Laurence Gandia	Emiliano Tria Tirona Memorial	Kawit



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					National Integrated High School	
XXX. JHS LIKHA RIM (TEAM)						
1	LKH-RIM-T-D07-S2-01	SHADY: Smart Hydroponic Arduino-Controlled Drip Irrigation System for Yield Optimization	Jewel Anne R. Encarnacion Verlyn Mae M. Salugao	Eric Laurence Gandia	Emiliano Tria Tirona Memorial National Integrated High School	Kawit
2	LKH-RIM-T-D03-S2-02	SPAIS: Solar-Powered Automated Irrigation System	Tyrone James R. Bayan Marco Luis S. Cielo Jan Andrei B. Hernandez	Nanette D. Jalon	Carmona National High School	Carmona
3	LKH-RIM-T-D09-S2-05	P.H. CARE: Personal Healthcare Companion	Keesha P. Barco Christine Bien T. Cillo Zaria Agatha V. Ledesma	John Edsel A. Varias	Cavite Science Integrated School	Maragondon
4	LKH-RIM-T-D05-S2-06	Utilization of Roblox Studios in Creating Educational Games: A	Micco Harold D. Amarante	Marites S. Atiquiera	General Mariano	GMA



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		Leap Forward in Grade 10 Science Education	Arianne Kylie O. Anillo Ethan John P. Del Rosario	John Paul B. Lagamayo Nardo Bernardo C. Mola	Alvarez Technical High School	
XXXI. SHS LIKHA LIFE (Individual Category)						
1	LKH-LS-I-D03-S3-01	Antibacterial Activity Of <i>Serpentina (Andrographis paniculata)</i> ,	Mercury Xylene P. Matutina	Ryan S. Cutamora April O. Castillo	Angelo L. Loyola Senior High School	Carmona
2	LKH-LS-I-D09-S3-03	Synergistic Anti-Angiogenic Activity of Resveratrol and Silver Nanoparticles using Chick Embryo Chorioallantoic Membrane (CAM) Assay	Jeizl C. Mendoza	Elain E. Malones	Cavite Science Integrated School	Maragondon
3	LKH-LS-I-D07-S3-04	Biosorptive Capacity of Green Mussel (<i>P. viridis</i>) shell – Granular Activated Carbon in Perfluoroalkyl and Polyfluoroalkyl Substances Found in Rainwater	John Martin F. Salgado	Marvin Jay I. Maming	Emiliano Tria Tirona Memorial National Integrated High School	Kawit



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4	LKH-LS-I-D16-S3-05	Phytochemical Analysis and Antiangiogenic Activity of Pineapple (<i>Ananas comosus</i>) Fruit Ethanolic Extract Using Zebrafish (<i>Danio rerio</i>) Assay	Cyron B. Sumaya	Marilou I. Cabugo	Tanza National Comprehensive High School	Tanza
5	LKH-LS-I-D18-S3-06	Efficacy of Coconut (<i>Cocos nucifera</i>) Water on the Growth of Bamboo Tissue Culture	Reign Ace S. Mata	John Patrick C. Cacela	Trece Martires City Senior High School	Trece Martires City
XXXII. SHS LIKHA LIFE (Team Category)						
1	LKH-LS-T-D03-S3-1	In Vitro -Amylase And A-Glucosidase Inhibitory Activity Of False Shamrock (<i>Oxalis triangularis</i>) Leaves Extract And Fractions	Hannah Grace R. Galanto Gabrielle Anne R. Obos Sam Kelvin T. Tuazon	Ryan S. Cutamora Vienna Kathlene Y. Bolgado	Angelo L. Loyola Senior High School	Carmona
2	LKH-LS-T-D09-S3-02	Antimicrobial Property Of Saba Banana (<i>Musa acuminata x balbisiana</i>) Sheaths Extract Against <i>Staphylococcus aureus</i> and <i>Salmonella enterica</i>	Prince Buen R. Bautista Bernie H. Cañete Jr, Glance S. Lizardo	Jasmin E. Bago	Bucal National Intergrated School	Maragondon



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3	LKH-LS-T-D09-S3-3	CALAPA: <i>Citrus mocrocarpa</i> (Calamansi) and <i>Carica papaya</i> (Papaya) as Household Canal Water Biocoagulants	Raine Jasmine S. Atotubo Danell Raya D. Morales Maureen Joy S. Tamio	Elain E. Malones	Cavite Science Integrated School	Maragondon
4	LKH-LS-T-D07-S3-4	In-vitro Anti-hypertensive Activity of Blue Ternate's (<i>C. ternatea</i>) Flower Aqueous Extracts	Marinea P. Abas Benj Del Pilar John Benedict G. Pampilo	Marvin Jay I. Maming	Emiliano Tria Tirona Memorial National Integrated High School	Kawit
	LKH-LS-T-D16-S3-8	In Vitro Analysis of Neuroprotective Potential of Periwinkle (<i>Catharanthus roseus L.</i>) Leaf Ethanolic Extract in Fruit Flies (<i>Drosophila melanogaster</i>)	Odette B. Hernandez Rainiel M. Rañas Honey Mae P. Mangmang	Angelica Ecat	Tanza National Comprehensive High School	Tanza
5	LKH-LS-T-D18-S3-9	Phytochemical Analysis and Insecticidal Activity of Kakawate (<i>Gliricidia sepium</i>) Leaves and Bark Extracts Against Flour Beetles (<i>Tribolium castaneum</i>)	Andrei Jefferson P. Beredo Angelo Josh F. Borres Genevieve Y. Gamay	John Patrick C. Cacula	Trece Martires City Senior High School	Trece Martires City



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XXXIII. SHS LIKHA PHYSICAL (Individual Category)						
1	LKH-PS-I-DO3-S3-01	Acoustic Absorption Potential of Recycled Corrugated Cardboard Integrated with Bagasse from Sugarcane (<i>Saccharum officinarum</i>) as an Acoustic Panel Material	Ashley Gale A. Cueva	Ryan Cutamora Jenily T. Rodriguez	Angelo Loyola Senior HS	Carmona
2	LKH-PS-I-DO9-S3-02	Anti-Infant Abduction System Using Load Sensors and a Radio Transceiver	Christian A. Ramos	Christian Signo	Bucal National Integrated School	Maragondon
3	LKH-PS-I-D09-S3-03	Project AISAC: Advanced Intersection Systems with AI Camera that Detects Vehicle Simulating a Volume Detection and Advanced Algorithms for Improved Intersection Traffic Management	Jzranil Ykoev S. Navarro	Elain Malones	Cavite Science Integrated School	Maragondon
4	LKH-PS-I-D07-S3-04	Development of an Organic Food Packaging Film from Sugar-Apple (<i>A.squamosa</i>) Peels.	Hailie Jade M. Dinero	Marvin Jay I. Maming	Emiliano Tria Tirona Memorial National	Kawit



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					Integrated High School	
5	LKH-PS-I-D15-S3-05	SEDROGEN: SELF-SUFFICIENT HYDROELECTRIC POWER GENERATOR	Juan Rafael Lambon	Rosario Reyes	Tagaytay City Science National Highschool-Integrated Senior High School	Tagaytay
6	LKH-PS-I-D16-S3-06	Production of Somatic Embryogenesis Encapsulated Sitsaro (<i>Pisum sativum</i>) Seeds from Kulapu (<i>Sargassum algae</i>) Extract and Air Dry Clay (Terracotta)	Krizy Anne B. Sumikat	Leonora B. Generao	Tanza National Comprehensive HS- SHS	
7	LKH-PS-I-D18-S3-07	Production of Pineapple (<i>Ananas comosus</i>) Leaves Fiber as Bio-based Facemask	Ashlei Nicole B. Zulueta	Edlyn Matreo	Trece Martires City Senior HS	Trece
8	LKH-PS-I-D11-S3-09	Project HydroGen: Fan Motor with Neodymium Magnets as Mini Hydroelectric Turbine Generator	Harry V. Emel	Rhodora Perlado	Naic Integrated National High School	Naic
XXXIV. SHS LIKHA PHYSICAL (TEAM)						



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1	LKH-PS-T-DO1-S3-01	Effectiveness of Using Salt Water as an Alternative Source of Energy in Lighting a Light Bulb	Jhonard A. Dimapilis, Kizzes Sapphire S. Carcabuso, Romuel John M. Asis	Jenalyn Javier	Alfonso Integrated High School	Alfonso
2	LKH-PS-T-D03-S3-02	Photocatalytic Degradation Of Rhodamine B Dye Using Hydroxyapatite Nanoparticles Derived From Blue Swimming Crab (<i>Portunus pelagicus</i>) Carapaces	Nicko Angelo J. Capacio Sofia Nuesty M. Gaspar Christine Mae R. Sarol	Ryan Cutamora Jinky Joy L. Ponciano	Angelo L. Loyola Senior High School	Carmona
3	LKH-PS-T-D09-S3-03	Lakatan (<i>Musa acuminata</i>) Pseudostem Fiber as an Eco-alternative Tissue Paper	Nicole C. Cabaña, Sean Ireck A. de Guzman, Lana Edrielle P. Pillas,	Christian Signo	Bucal National Integrated School	Maragondon
4	LKH-PS-T-D09-S3-04	Muffler Aid: Vehicle Exhaust Muffler Using <i>Bambusa vulgaris</i> (Bamboo) as an Alternative for Fiber Cotton to Reduce the Emission of Carbon Monoxide and Hydrocarbons	Anne Margarete E. Buyayo Francine Allen A. Bobon Christian Theniel L. Matro	Elain Malones	Cavite Science Integrated School	Maragondon



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5	LKH-PS-T-D07-S3-05	Prophylactic Activity of Oregano (<i>O.vulgare</i>) Essential Oil Gel-based Sanitizer Against Multidrug Resistant Human Pathogens	Mary Joy G. Ravelo, Diana Mae Butron, and Chad Lorrens N. Vidamo	Marvin Jay Maming	Emiliano Tria Tirona Memorial National Integrated High School	Kawit
6	LKH-PS-T-D05-S3-06	Precipitation Dynamo Energy Generator	Allan Jade Sanginez Emmanuel C. Trono Jhed Lowel C. Loreto	Cherry Rose Uminga	General Mariano Alvarez Technical High School	GMA
7	LKH-PS-T-D15-S3-08	Sorting Our Way to a Cleaner Future: A Quantitative Study on Technological Application in Waste Segregation and Disposal as Mitigation Strategy in Tagaytay City Science National High School - Integrated Senior High School	John Benedict Vida, Cassandra Gutierrez, Alexander Dwyght Nalus	Rosario Reyes	Tagaytay City Science National Highschool-Integrated Senior High School	Tagaytay
8	LKH-PS-T-D16-S3-09	Energy Harvesting with the Treadmill: Piezoelectric Effect as an Alternative Source of Electricity	Paul Jasper M. Jasareno, May Shane A.	Nicollet Navarro	Tanza National Comprehensive High School	Tanza



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			Albertisimo, Angeline Y. Yambot			
9	LKH-PS-T-D18-S3-10	Activated Carbonized Kakawate Branch (<i>Gliricidia sepium</i>) Fiber Illuminating Filament	Geraldine Faith Dinio Ashley Mae Laxamana Lebronjames Paraba	Edlyn B. Matreo	Trece Martires Senior High School	Trece Martires City
XXXV. SHS LIKHA MCS (INDIVIDUAL)						
1	LKH-MCS-I-D03-S3-01	Pedestrian Crossing Pattern Monitoring Using Heat Mapping Techniques From Object Detection Deep Learning Algorithms	Jamise Jiro G. Pancho	Ryan Cutamora Eric John B. Bantaculo	Angelo L. Loyola Senior High School	Carmona
2	LKH-MCS-I-D09-S3-02	GCash Micropayment: A Quantitative Analysis of Factors Influencing the Reliability of E-Wallet among Business and Non-Business Owners as Users	Abigael N. Magbagay	Elain Malones	Cavite Science Integrated School	Maragondon
XXXVI. SHS LIKHA MCS (TEAM)						



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1	LKH-MCS-T-DO3-S3-01	Early Detection Of Autism Spectrum Disorder Among Toddlers Using K-Nearest Neighbors (KNN) And Logistic Regression Algorithms	Adrian Paolo S. Follante Keith Zeus M. Ramos Mikaela Samantha S. Alcedo	Ryan Cutamora Shaira Lei T. Delos Santos	Angelo L. Loyola Senior High School	Carmona
2	LKH-MCS-T-DO9-S3-02	Four-fect Triple: Identifying Groups of Values Forming a Pythagorean Triple Containing Multiples of Four	Franzine Ashleigh V. Dela Cruz Ron Cedric A. Densing Jemel C. Zapanta	Elain Malones	Cavite Science Integrated School	Maragondon
3	LKH-MCS-T-DO7-S3-03	Tensor Flow Detection UAVs And Its Application in Wildlife Monitoring Preservation	Princes H. Asilo Alejandro Jose E. Memije Pheby Aren P. Peñaflor	Marvin Jay I. Maming	Emiliano Tria Tirona Memorial National Integrated High School	Kawit
4	LKH-MCS-T-DO16-S3-06	Tangent Simulator: An Interactive Instructional Tool for Teaching Derivatives by Definition	Jaspher Miko F. Aspiras Kashi Loid P. Fuentes Eric Josiah P. Pasigian	Marjorie Ann M. Herrera	Tanza National Comprehensive High School-Senior High School	Tanza
XXXVII. SHS LIKHA RIM (INDIVIDUAL)						



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1	LKH-RIM-I-D03-S3-01	HeptaLight: Development of Multi-Utility Device with Integrated Features for Emergency and Convenience Situations	Jeremy Yuan D. Ancheta	Ryan S. Cutamora and Marge Joseph C. Sardo	Angelo L. Loyola Senior High School	Carmona
2	LKH-RIM-I-D09-S3-02	Liquefied Petroleum Gas (LPG) Leakage Detection and Control System with Alarm And GSM	Daniel P. Paman	Christian C. Signo	Bucal National Integrated School	Maragondon
3	LKH-RIM-I-D09-S3-03	HYSAFE: Hybrid Security and Fire Alarm System with Short Message Service (SMS) Using Arduino Uno	Raeven Ashly L. Butiong	Elain E. Malones	Cavite Science Integrated School	Maragondon
4	LKH-RIM-I-D16-S3-06	SinkSave: An Automated Kitchen Sink Wastewater Treatment System	Irish Bea Q. Cenizal	Nico Llet N. Guadamor	Tanza National Comprehensive High School	Tanza
XXXVIII. SHS LIKHA RIM (TEAM)						
1	LKH-RIM-T_D03-S3-01	NotiBox A Multipurpose Mailbox With Security Devices and SMS Notification	Andrei V. Baluyot, Sofia Ashley E. Panganiban, and Justine Lee M. Villanueva	Ryan S. Cutamora and Angelo M. Torres	Angelo L. Loyola Senior High School	Carmona



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2	LKH-RIM-T_D09-S3-02	Iot- Based Food Tracking and Monitoring System using OLED, RFID and Application	Sheila Marie P. Bade, Meracle G. Lizardo, Yvette Stephanie, and Nicole M. Villacarlos	Jasmin E. Bago	Bucal National Integrated School	Maragondon
3	LKH-RIM-T_D09-S3-03	Project ABIS: Arduino Based Irrigation System that Senses Real Time, Temperature and Humidity, Soil Moisture, and Rainfall of the Environment to Control the Water Flow of the Irrigation	Dan Lawrence C. Camisura, One Iñigo C. Canlas, and Rosmond Jae B. Punzalan	Elain E. Malones	Cavite Science Integrated School	Maragondon
4	LKH-RIM-T_D16-S3-08	Arduino-Based Electrocoagulation System (ABES): Treatment of Contaminated Water Through Electrocoagulation	Jennie-Rose A. Bataclan, Kristine Bernadette C. Gatdula, and Chad Andrew V. Mapor	Elizabeth B. Maglaya	Tanza National Comprehensive High School	Tanza
5	LKH-RIM-T_D18-S3-09	Autonomous River Bin (AR- Bin): Arduino-based River Solid Waste Collector	Yesha D. Casano, John Benedict A. Garcia, and Katherine Nicole T. Penus	Glenn L. Sampayan	Trece Martires City Senior High School	Trece Martires City



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