Republic of the Philippines
Department of Education
Region I
SCHOOLS DIVISION OF ILOCOS SUR
Bantay, Ilocos Sur

October 23, 2019

DIVISION MEMORANDUM
No. 406, s. 2019

RESULT OF THE 2019 DIVISION SCIENCE AND TECHNOLOGY FAIR (DSTF)

To: Public Schools District Supervisors
Public Elementary School Heads
Public Secondary School Heads
All Others Concerned

1. The Department of Education, Schools Division of Ilocos Sur would like to announce and congratulate the winners to the **2019 Division Science and Technology Fair (DSTF)** submission and judging held at **SDO CID Office** on **October 21, 2019**.

2. Attached herewith is the list of winners in the different categories.

3. The top 10 winners in the different categories shall forward to the regional level as our division entries.

4. May the result continuously inspire and motivate the school heads, teachers and learners to continuously perform outstandingly along curriculum and instruction.

5. For information.

JORGE M. REINANTE, CSEE, CEO VI, CESO V
Schools Division Superintendent

To be included in the perpetual index
under the following subject:

SCIENCE . DIVISION SCIENCE AND TECHNOLOGY FAIR

DIVISION OF ILOCOS SUR
RELEASED
OCT 24 2019
BY: TIME: 4:45

Enclosure No. 2 Division Memorandum No. 406 s. 2019 **SCIENCE INVESTIGATORY PROJECT**

CATEGORY: ROBOTICS (TEAM)

RANK	INVESTIGATORS	TITLE OF SIP	COACH	SCHOOL HEAD	SCHOOL
1	Christian Paul Lopez Mark Lubera Althea Rosete	ADUINO-Based Human Posture Monitoring Device	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS

CATEGORY: SCI-EXPO (TEAM)

RANK	INVESTIGATORS	TITLE OF SIP	COACH	SCHOOL HEAD	SCHOOL
1	Sarlene Joy Sivila Samantha Judielyn Ilaban Kaye Yere	Innovative Salt Making Device	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
2	Danicka Mae A. Abella James Philip P. Ines	Smoke-free Incinerator	Mrs. Maricel I. Remolacio	Mrs. Myrna F. Jara	Sinait NHS
3	Einstein James Martinez Marianne Perez Edlyn Molina	Improvised Flood Detector Alarm	Mrs. Lucina T. Robiñol	Mr. Elvis A. Tabugader	Lussoc NHS
4	Cyruss Jallen V. Arrieta Jan Karl Y. Sambrana Norilyn Joy B. Andaya	PAK! (Plant and Animal Cell) Knowledge Info-Maton, An Innovative Learning Material	Mr. Charles Y. Salcedo	Mrs. Myrna F. Jara	Sinait NHS
5	Marcus Railey M. Vicente Jansen D. Yere Len Rizy Espedido	A Science-Based Simulation and Role Playing Board Game	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS

CATEGORY: SCI-EXPO (INDIVIDUAL)

RANK	INVESTIGATORS	TITLE OF SIP	COACH	SCHOOL HEAD	SCHOOL
1	Mark Lubera	Mini Innovative Corn Sheller Machine	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
2	Teddy Oximana Jr.	The Feasibility of Leaf Shredder out of Recycled Materials	Mrs. Susima P. Pajo	Mr. Elvis A. Tabugader	Lussoc NHS
3	John Patrick Villa	Manual Glass Crushing Machine	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
4	Althea Bianca Taaca	LNHS Trespassers' Alarm	Mrs. Lucina T. Robiñol	Mr. Elvis A. Tabugader	Lussoc NHS

CATEGORY: LIFE SCIENCE (INDIVIDUAL)

RANK	INVESTIGATORS	TITLE OF SIP	COACH	SCHOOL HEAD	SCHOOL
1	Karen Nicole Somera	Chitosan derived from Mud Crab (Acylla Olivicea) Shell: Its In-vitro Performance in the Control of Rice Blast Fungus (Magnapothe Orryzae)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
2	Alexandre Romainne Mendoza	The Effectiveness of Dried Ayote Squash (Cucurbita angyrosperms)Seed and dried Potato (Solanium Tuberosum) as a Food Additive for Nile Tilapia	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
3	Joeleleih I. Tumbaga	The Effectiveness of Powdered Busbusi (Phyla nodiflora) Plant as Besal Fertilizer for Onion (Allium cepa) Plant	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
4	Rose-Mel Xiamane S. Dayoan	The Performance of Patani (Phaseolus lunaus Linn) Leaf Extract in White Mice (Mus muculus)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
5	Rica Joy S. Fiesta	The Potential of Tibig (Ficus nota) Fruits as Post-Harvest Protestion Agent for the Storage of Garlic (Allium sativum)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
6	Kathlyn O. Salanio	Growth and Yield Performance of Cobb Broilers Using Dragon Fruit (Hyclocucus castarcusis) Peelings as Feed Supplement	Mr. Kelvin O.alanio	Mrs. Myrna F. Jara	Sinait NHS
7	Fiona Angelie Rigunay	The Efficiency of Bamboo (Bambusoideae) Leaf and Eggshells as an Alternative Substitute for Chicken Feeds	Mr. Bobby Cabañero	Mr. Emilio Ayson Jr.	Narvacan NCHS
8	Alyssa Lizette Ines Pablo	Growth Performance of Tilapia (Oreochromis mossombicus) using Hermit Crab (Paguroidea) as Feed Supplement	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
9	Nathaniel Trinidad	The Hematopoietic Effects of Platito (Nothopanax scutellarium) Ethanolic Leaf Extract in Phenylhydragine-induced Mice (Mus musculus)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
10	Daphne Shane U. Yere	The Effectiveness of Jackfruit (Artocarpusheterophyllus) Seeds Extract in Controlling the Early Blight in Tomatoesm(Solanum lycopersicum)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
DIVISION QUALIFIERS					
	Alyssa Lizette Ines Pablo	The Effectiveness f Dried Corn (Maize) Stalk and Banana (Musa acuminate) Trunk as Dietary Supplement to African Night Crawler Vermicomposting	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
	Sarah Jane Doronila	Purslane (Portulaca Oleracea) Leaf Concentrate as a Nutrient Supplement for Goats (Capra aegagrus hircus)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS

	Clarissa Aguila	Anti-Hypercholesterolemic Activity of Badong (Waltheria indica) Leaf Extract in White Mice ((Mus musculus)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
	Jacob Filippe G. Galzote	The Hypercholesterolemic and Body Reducing Effect of Tintinanec (Lonicera Tatarica) Berry Extract on Guinea Pigs	Mrs. Maricel I. Remolacio	Mrs. Myrna F. Jara	Sinait NHS
	Mark Jobeth Bogue	Purslane (Portulaca Oleracea) Stem Extract: Inducer of Dimesis in Guinea Pigs (Cavia porcellus)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
	Jadine Lei Malupang	Sweet Sorghum (Sorghum bicolor) Grains as Bio-Supplement for Catfish (Ictalunus punctatus)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
	Christian Paul Lopez	Memostatic and Antithrombocytopesic effects of Serpentine Andrographis paniculata) Leaf Ethanolic Extract on White Mice (Musculus)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
	Ma. Socorro Bautista	The Effectiveness of Jackfruit Leaves (Autocarpus heterophyllus) Extract and Pineapple (Ananas comosus) Leaves Extract in Controlling Leaf Spot Diseases	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
	Mark Lubera	The Phagodepressive Property of "Lugo" Terminalia catappa) Powdered Leaves on Corn Weevil (Sitophilus zeamais) and Cowpea Weevil (Callosobruchus maculatus)	Dr. Benedicto I. Bautista	Mrs. Myrna F. Jara	Sinait NHS
	Johann Oliver Alcanciado	The Feasibility of Lagundi (Vitex negundo) to Fight against High Cholesterol	Mrs. Susima P. Pajo	Mr. Elvis A. Tabugader	Lussoc NHS
	Christian Joshua Lazo	The Feasibility of Brocolli (Brassica oleracea) Bread to Lower the Risk of Diabetes	Mrs. Susima P. Pajo	Mr. Elvis A. Tabugader	Lussoc NHS
	Trisha Mae Tolosa	Citrofortunella Microcarpa (Calamansi) Peelings as Mosquito Incense	Ms. Rhena Joan Santella	Mr. Chito B. Agbulos	Lipit NHS
	John Ysrael Cañero	The Effectiveness of Banana Pseudostem (Musa paradisiaca) as Organic Pesticide	Mr. Bobby Cabañero	Mr. Emilio G. Ayson Jr.	Narvacan NCHS
	Earl Christian Jay Doña	Potential of Lomboy (Syzygium cumin) BarkTea for Lowering Blood Sugar	Mr. Bobby Cabañero	Mr. Emilio G. Ayson Jr.	Narvacan NCHS
	Alyssa Rei Cabusloy	The Feasibility of Mussel Shell (Perna viridis) as Soil Conditioner	Mr. Bobby Cabañero	Mr. Emilio G. Ayson Jr.	Narvacan NCHS
	Ron Phil Antoine Francisco	Determination of Nutrient and Anti-Nutrient Contents in Fermented Fruit Peel Solution	Mrs. Jocelyn Corres	Mr. Emilio G. Ayson Jr.	Narvacan NCHS
	Justine Gino Fieldad	Anti-Parasitic Effects of Cassava (Manihot esculenta) Leaves Extract on Dog Flies (Ctenocephalides canis)	Mr. Ryan Aquino	Mrs. Marisa G. Viloria	San Juan NHS

	Syril Joy Bundoc	Effectiveness of Portulaca Oleracea "Tabtabukol" Leaf Extract as Organic Hand Sanitizer	Mrs. Gemma Pagulayan	Mrs. June C. Racca	Tagudin NHS

CATEGORY: LIFE SCIENCE (TEAM)

RANK	INVESTIGATORS	TITLE OF SIP	COACH	SCHOOL HEAD	SCHOOL
1	Joeleleih Tumbaga Clarissa Aguila Alexandre Romainne Mendoza	The Metabolism And Characterization Of Fermented Plant Juice Of Talinum (Talinum Triangulare) And Kalunay (Amaranthus Dubius) Leaves As Water Additive For Broilers (Gallus Gallus Domesticus)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
2	Lianne Graciele Vergara April Joy Mondia Julliane Kyshma Andres	The Effectiveness Of Pulverized Tahong (Perna Viridis) Shells As An Alternative Fertilizer For Tomato (Solanum Lycopersicum) Plant	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
3	Lara Sofeia Laforga Glaizel Jane Tabula Krystal Ann Idian	Oreochromis Niloticus L. (Nile Tilapia) Growth Performance Using Mixture Of Moringa Oleifera (Malunggay) Leaves Meal And Ipomoea Aquatic (Kangkong Leaves) As A Feed Supplement	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
4	Sunshine Yagyagan Daphne Shane Yere Julliane Kryshma Andres	The Hydroponic Efficay Of Fermented Tilapia (Oreochromis Niloticus) Intestines And Coconut (Cocos Nucifera) Water To Onions (Allium Cepa)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
5	Mikylla Marie Sesuca Arianne Bhiezell Laeno Jheyame Vianney Sandi	The Effectiveness Of Fermented Banana Shoot On The Growth And Yield Of Grafted Calamansi (Citrofortunella Microcarpa)	Maricel Remolacio	Mrs. Myrna Jara	Sinait NHS
6	Althea Rosete Karen Nicole Somera Hannah Trisha Inovejas	Anthracnose Inhibiting Performance Of Umbelanterna (Lantana Camara) Leaf Ethanolic Extract On Tomato (Solanum Lycopersicum)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
7.5	Gil Gabriel Ibanez Maria Lucille Mercado Rhayzhan Stephen Pugal	Molluscicidal Effect Of Welcome Plant (Zamioculas Zamiifolia) Leaf Extract Against Golden Kuhol (Pomacea Canaliculata)	Kelvin Salanio	Mrs. Myrna Jara	Sinait NHS
7.5	Kathlyn Salanio Jasneil Acenas Redgie Giovani Savellano	The Effectiveness Of Kalog-Kalog (Crotalaria Retusa Linn) Plant Extract As Post-Harvest Protection Agent Of Garlic (Allkium Sativum)	Gerome Boton	Mrs. Myrna Jara	Sinait NHS
9	Faye Angela Ibe Bea Florence Sudapo Rosalyn Bron	Te Performance Of Patani (Phaseolus Lunatus) Powdered Leaves Against Rice Weevil (Sithopilus Oryzae) And Corn Weevil (Sithopilus Zeamais)	Maricel Remolacio	Mrs. Myrna Jara	Sinait NHS
10	Honeylyn Pastor Sarah Jean Valencia Chelsea Ica Tapangco	Cymbopogon Citratus (Lemon Grass) As Organic Insect Killer	Rhena Joan Arrieta – Santella	Ma. Chito Agbulos	Lipit NHS

DIVISION QUALIFIERS					
	Jenelyn Saplor Rosarie Incilio Althea Ame Salarzon	Effect Of Seed Priming With Salicylic Acid (Lipophilicmonohydroxybenzoic Acid) On The Growth Of Hybrid Rice Seed	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Sarlene Joy Sivila Mary Christine Tabayoyong Alyssa Arrieta	The Potential Effect Of Banana (Musa) Pseudo Stem Extract Mixed With The Food Supplement For Native Pigs (Sus Scrofa Domesticus)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Jasneil Acenas Kathlyn Salanio Marc James Acosta	Ovicidal And Larvicidal Effect Of Dumb Cane (Dieffenbachia Bowmanii) And Sago Palm (Cycas Revoluta) Leaf Extract Against Mosquitoes (Aedes Aegyptii)	Kelvin Salanio	Mrs. Myrna Jara	Sinait NHS
	Jansen Yere Marcus Railey Vicente Imee Alexandra Peralta	The Effectiveness Of Powdered Daisy (Eclipta Prostata) Plant As Maize Weevil (Sitophilus Zeamais) Eradicator	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Hannah Trisha Inovejas Sarah Jane Ibanez Rica Joy Fiesta	Interropping Agronomic Viability Of Dry Roasted Peanut (Arachis Hypogea) To Plant Development Of Eggplant (Solanum Melongena)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Gian Carlo Agbayani Julius Virgel Yadao Hans Kennedy Yadao	The Effectiveness Of Gawwed (Piper Betel) Leaves As Post-Harvest Protection For Garlic Bulbs (Allium Sativum)	Gerome Boton	Mrs. Myrna Jara	Sinait NHS
	Maria Angela Delos Reyes Shiela Galinato Mark Jancel Tiri	Fungicide Potential Of Pikaw Leaves (Colocosia Sp. Cf. Formosana Hayata) Against Fusarium Ear Corn Rot	Gemma Pagulayan	Mrs. June Racca	Tagudin NHS
	Rachel Mae Laforga Dana Charelle Lacuesta Ashley Jenine Soclo	Salutary Effects Of Eggshell And Carabao Manure As A Propagation Madia On The Germination And Growth Of Yard Long Beans (Vigna Unguiculata)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Ien Rizy Espedido Roner Martin Tubera Vince Carlo Saupan	Ovicidal And Larvicidal Efficacy Of Dumb Cane (Dieffenbachia) Leaf Extract Against Mosquitoes (Aedes Aegypti)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Karen Nicole Somera Katherine Villa Sunshine Yagyagan	The Efficacy Of Used Green Tea Bags As A Tomato (Solanum Lycopersicum) Plant Yeild Booster	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Lauraine Mitchel Arce Jasmine Palpallatoc Alfrae Cyril Calumag	The Antifungal Activity Of Acacia Leaf Extract Against Mango (Mangifera Indica) Fruit Fungus (Colletotrichum Glocosporioides)	Maricel Remolacio	Mrs. Myrna Jara	Sinait NHS
	Danicka Mae Abella James Philip Ines Helaine Mae Peralta	THE HYPORLIPIDEMIC EFFECT OF PUTOK-PUTOK (RUELLIA TUBEROSA) LEAF EXTRACT ON GUINEA PIGS (CAVIA PORCELLUS)	Maricel Remolacio	Mrs. Myrna Jara	Sinait NHS

CATEGORY: APPLIED SCIENCE (INDIVIDUAL)

ENTRY #	INVESTIGATORS	TITLE OF SIP	COACH	SCHOOL HEAD	SCHOOL
1	Bernice Naarah Caneso	Sugarcane Bagasse as Cork Board	Dr. Liza Castor	Mr. Emilio Ayson Jr.	Narvacan NCHS
2	Ana Isabela Aquino	The Feasibility of Santol (Sandoricum Koetjape) Leaves as an Anti-Microbial Soap in Treating Tinea Flava	Mr. Bobby Cabañero	Mr. Emilio Ayson Jr.	Narvacan NCHS
3	Diether Lloyd Direge	The Effectiveness of Apatot (Monrinda citrifolla) Fruit Extract as an Antifungal Soap for Treating Ringworm	Dr. Liza Castor	Mr. Emilio Ayson Jr.	Narvacan NCHS
4					
5	Kyla Lustado	The Feasibility of Malunggay (Moringa oleifera) Pods and Papaya (Carica papaya) Leaves and Branches as an Alternative Paper	Mr. Ryan Tobias	Mrs. Marisa Valoria	San Juan NHS
6	Mark Vince Alcain	The Effectiveness of Mango (mangifera indica) Peels and Seeds as Solid Bio-fuel	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
7	Sophia Mikaela Suboc	Ngalog (Potulaca oleracea) Crude Sweetener: Its Production, Characterization and Potential	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
8	Christian Paul Lopez	The Effectiveness of Deacylated Tahong Shells (Perna viridis) in Extending the Shelf- Life of Mango (Mangifera indica)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
9	Leo Shane Rubino	Aragan (Sargassum cristaefolium) and (Mangifera indica) as Chili (Capsicum frutenscens) Plant frutenscens) Plant Growth Booster	Mrs. Susima Pajo	Mr. Elvis Tabugader	Lussoc NHS
10	Jonathan Yadao	The Performance of Epoxy Resins (Polyepoxides) as an Additive to Cement Mixture	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
DIVISION QUALIFIERS					
	Kaye Yere	Effectiveness of Balimbi Leaves (Averrhoa bilimbi) as Ripening Agent of Banana fruits (Musa acuminate)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Angello Martires	The Potential of Potato (Solanum tuberosum) Flour in Making Bioplastic	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS

	Alyssa Arrieta	Honeycomb as Alternative Flower Feed in Prolonging the Post-Harvest Life of Chrysanthemum (Chrysanthenum morifolious Flowers	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Ejay Lordaike Reyes	Recycling of Clam Shell as Aggregates in Mix Proportioning Concrete Hollow Blocks	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Reinard Gio Savellano	The Effectiveness of Mango Tree (Mangifera indica) Resin as Wood Paint	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Lheonelle Martinez	Mathematical Sanitary Engineering Model of Polyethylene (PET) cups in Sinait NHS	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Allen Christian Baptista	The Effect of Sugar Solution with the Vased Life of Bittergourd Tops (Momordica charintia)	Mrs, Susima Pajo	Mr. Elvis Tabugader	Lussoc NHS
	Joshua Padua	The Feasibility of Dried Cocos Nucifera (Coconut) Leaves as Multi-purpose Board	Ms. Rhena Joan Santella	Mr. Ma. Chito Agbulos	Lipit NHS
	Ma. Chrishna Elise Clarin	The Feasibility of Chico (Manilkara Tapota) Sap as an Additive in the Production of Biodegradable Spoon	Mr. Bobby Cabañero	Mr. Emilio Ayson Jr.	Narvacan NCHS
	Gwenn Angela Alafriz	Efficacy of Turmeric (Curcuma Longa) as Anti-Inflammatory Ointment	Dr. Liza Castor	Mr. Emilio Ayson Jr.	Narvacan NCHS
	Jeuffer Mar Lobendino	Non-Toxic and Organic Shoe Polishing Cream	Mrs. Gemma Pagulayan	Mrs. June C. Racca	Tagudin NHS
	Alianah Jones Cabrera	The Evaluation of Biopesticide Potential of Jatropha Curcas (Physic Nut) and Chromolena Odorata Linn. (Siam Weed) Leaves Extract	Mrs. Gemma Pagulayan	Mrs. June C. Racca	Tagudin NHS
	Angelica Christine Lucero	Againsi ANagenus Unicolor (Black Carpet Beetles) Sound-Proof Paper Based Tiles	Mrs. Jocelyn Bayuga	Mrs. June C. Racca	Tagudin NHS
	Roselyn Maee la Cuadra	Dissolved Styrofoam and Pyrolysis of Plastic as Substitute of Tile Production	Mr. Reinnier Dameg	Mr. Emilio Ayson Jr.	Narvacan NCHS

	Gerrine Angel Parado Joyce Sheena Alyssa Pajo Althea Bianca Taaca	THE FEASIBILITY OF MAKING NUTRITIOUS CHIPS OUT OF CARROTS (DAUCUS CAROTA VAR. SATIVUS)	Susima Pajo	Mr. Elvis Tabugader	Lussoc NHS
	Mikylla Tadeja Sheena Pajo Althea Bianca Taaca	THE FEASIBILITY OF MALUNGGAY LEAVES (MORINGA OLEIFERA) AND TABTABUKOL (POTULACA OLERACEA) AS AN ALTERNATIVE FEEDS	Susima Pajo	Mr. Elvis Tabugader	Lussoc NHS
	Reiziah Nightingale Tangonan Carolyn Adrianne Taasin Mia Bianca Sabio	ORGANIC PRODUCTION OF NATIVE CHICKEN USING TARIPTIP (PORTULACA OLERACEA) AS A FEED SUPPLEMENT	Jonel Solomon	Mrs. Myrna Jara	Sinait NHS
	Samantha Judielyn Ilaban Christian Paul Lopez Mark Lubera	THE ANTI-INFLAMMATORY ACTIVITY OF ARATILES (MUNTINAIA CALABURA) FRUIT ETHANOLIC EXTRACT FOR GLOMERULONEPHRITIS ON WHITE MICE (MUS MUSCULUS)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Christian Paul Lopez Mark Lubera Althea Rosete	THE EFFECTS OF SARGASSUM (SARGASSUM MUTICUM) SEAWEED ETHANOLIC EXTRACT AGAINST ANGIOGENESIS	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Edlyn Santella Marinel Abaya Leslie Siruno	CANANGA ODORATA (YLANG-YLANG) AND RECYCLED WAX AS RELAXING SCENTED CANDLE	Rhena Joan Arrieta – Santella	Ma. Chito Agbulos	Lipit NHS
	Lawrence Concepcion Desiree Nicole Baclig Jhervy Daniel Saguiguit	LETHAL ACTIVITY OF VETIVERIA ZIZANIOODES (VETIVER GRASS) AGAINST COPTOTERMES FORMOSANUS (TERM ITES)	Rhena Joan Arrieta – Santella	Ma. Chito Agbulos	Lipit NHS
	Maurice Allan Nazarro Charles James Lagrana Stephanie Kyle Lubina	ORGANIC TERMITE DETTERENT WOOD STAIN OUT OF VETIVER GRASS (CHRYSOPOGON ZIZANIOIDES) AND MARIGOLD FLOWER (CALENDULA OFFICINALIS) EXTRACT	Gemma Pagulayan	Mrs. June Racca	Tagudin NHS
	Christian Emerald Ancheta Aaron Bryle Aquino Rhea Mae Pacamana	MUNG BEAN AS AN ALTERNATIVE MATERIAL IN MAKING BIOPLASTIC	Liezel Rabot	Dr. Jovita de Castro	Mabilbila Integrated School
	Jaren James Borje Clarissa Jane Briones Mary Angeline Cardenas	EFFECTIVENESS OF TAMARIND LEAVES (TAMARINDUS INDICUS) AS TEA	Valmike Cabiles	Dr. Jovita de Castro	Mabilbila Integrated School

CATEGORY: APPLIED SCIENCE (TEAM)

RANK	INVESTIGATORS	TITLE OF SIP	COACH	SCHOOL HEAD	SCHOOL
1	Rachel Mae Laforga Dana Charelle Lacuesta Ashley Jenine Soclo	The Utilization Of Corn (Zea Mays) Cob And Peanut (Arachis Hypogaea) Shell Char As An Alternative Filtration Material.	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
2	Katherine V. Villa Sophia Suboc Sunshine Yagyagan	Bio Absorption Ability Of Gotu Kola In Copper Contaminated Water	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
3	Lheonelle Martinez Mark Jade Madalipay Cyruss Jallen Arrieta	Machine Inari: An Innovative Rice Planting Machine	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
4	April Joy Mondia Lianne Gracielle Vergara Jenelyn Saplor	Biodegradable Superabsorbent Polymer (Sap) From Mized Calamansi (Citrofortunella Microcarpa) Peels And Coconut (Cocos Nucifera) Oil Extract	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
5	Karen Nicole Somera Lianne Gracielle Vergara Jansen Yere	The Feasibility Of Mulberry (Morus) Fruit Extract As An Alternative Primary Cytological Staining Agent For Peripheral Blood Smear	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
6	Hasmine Valehrie B. Tulas Jullianne Kryshma C. Andes Sarah Jane D. Ibanes	Recycling Of Used Cow Bones And Cockle Shell As Aggregates In Hollow Block Making	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
7	Andrei Angelo Zate Haina Victoria Sapla Ma. Alexandra Arrocena	Effectiveness Of Chicken (Gallus Gallus Domesticus) Manure Enriched Bokashi In Growth Performance Of Eggplants (Solanum Melongena) Tomatoes (Solanum Lycopersicum)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
8	Ejay Reyes Cyruss Arrieta Jullian Vite	The Potential Of Dona Aurora Flower Extract As Post-Harvest Protection Agent For The Storage Of Garlic	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
9	Helaine Mae Peralta Danicka Mae Abella Jheyame Vianne Sandi	Raising Antibiotic Free Broiler Chicken Using Chilli Leaf Tea Extract As Water Additive	Mrs. Maricel Remolacio	Mrs. Myrna Jara	Sinait NHS
10	Angello Martires Nickson Tumbaga	Phytoremediation: The Hyperaccumulative Effects Of Onion Plant In Absorbing Copper Concentration In Soil	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
DIVISION QUALIFIERS					
	Jan Karl Sambrana Jayvee Imperio Imee Peralta	PRODUCTION AND GROWTH OF GREEN ALGAE (CHLOROPHYTA)	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS

		USING AN INNOVATIVE IMPROVISED PHOTOBIOREACTOR			
	James Philip Ines Rose-Mel Xiamanes Dayoan Jacob Filippe Galzote	THE EFFECT OF PANSIT-PANSITAN FISH FEED ON THE GROWTH OF NILE TILAPIA AND ITS BIOREMEDIATION EFFECT ON THE WATER QUALITY	Mrs. Maricel Remolacio	Mrs. Myrna Jara	Sinait NHS
	Mark Ashley Lived Ivizivich Huzzen Heinickep Ibrao Carl Justine Inong	THE EFFECTIVENESS OF NAMI AS MOLLUSCICIDE AGAINST GOLDEN KUHOL	Mrs. Maricel Remolacio	Mrs. Myrna Jara	Sinait NHS
	Julliane Andres Daphne Shane Yere Jansen Yere	MARANG PEELINGS AS CHARCOAL BRIQUETTE	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Jaycelle Ramos Maureen Kate Rivera Trixia Savellano	PRODUCTION OF OYSTER MUSHROOM ON WASTE PAPER WITH SOME ADDED SUPPLEMENTARY MATERIALS	Dr. Benedicto Bautista	Mrs. Myrna Jara	Sinait NHS
	Allanah Jones Cabrera Onofre Emerito Bayuga	GLASHRENE AS ALTERNATIVE CEMENT AGGREGATES	Mrs. Jocelyn Bayuga	Mrs. June Racca	Tagudin NHS
	Johnmar Bunoan Marvin Guarte Onofre Bayuga	INNOVA BRIQUETTE: A MARKETABLE ALTERNATIVE FUEL	Mrs. Jocelyn Bayuga	Mrs. June Racca	Tagudin NHS