



Republic of the Philippines
Department of Education
Region VII, Central Visayas
DIVISION OF CEBU PROVINCE
Sudlon, Lahug, Cebu City



October 9 ,2013

Division Memorandum

No. 632 ,s.2013

**RESULTS OF THE REGIONAL SCIENCE AND TECHNOLOGY FAIR
FOR SCHOOL YEAR 2013-2014**

To: OIC. Assistant Superintendents
Education Supervisors/ Coordinators
District Supervisors/OICs
Elementary and Secondary School Heads
Heads, Private Elementary and Secondary Schools

1. Attached is Regional Memorandum No.644,s.2013, dated October 08 , 2013, entitled, " Results Of The Regional Science And Technology Fair For School Year 2013-2014 " .
2. Immediate dissemination of this Memorandum is desired .


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Schools Division Superintendent

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REPUBLIC OF THE PHILIPPINES
DEPARTMENT OF EDUCATION
REGION VII, CENTRAL VISAYAS
Sudlon, Lahug, Cebu City



OCT 08 2013

REGIONAL MEMORANDUM
No. 644, s. 2013

RESULTS OF THE REGIONAL SCIENCE AND TECHNOLOGY FAIR
FOR SCHOOL YEAR 2013-2014

To: Schools Division/City Superintendents
Officers-in-Charge of Regular and Interim Divisions
School Heads of Public and Private Elementary and Secondary Schools

1. This Office announces and congratulates the winners in the recently concluded Regional Science and Technology Fair for School Year 2013-2014 held last October 3-5, 2013 at DepEd Ecotech Center, Sudlon, Lahug, Cebu City.


2. First and Second place winning researches in the Science Investigatory Project for Secondary Level shall be submitted as Regional Entries to the Bureau of Secondary Education on **October 18, 2013**. These projects are further validated, reviewed and deliberated upon by the National Scientific Review Committee to determine the National Qualifiers that will be announced on **November 8, 2013**.

3. In this connection, all regional winners shall submit their researches in 4 CDs-rewritable and 3 hard copies together with the required documents to conform to the NSTF Guidelines and qualify to the National Science and Technology Fair. As announced during the Regional Science Fair, deadline of submission of the final copies of entries to the Region is on **October 11, 2013** (attention: Dr. Maria Jesusa C. Despojo, CLMD). An e-copy shall also be sent through email: macledes@yahoo.com.ph. All research projects are stapled with transparency sheets in front and back covers and glued with corresponding colored paper at the left side as indicated below.

Cluster 1 Life/Biological Sciences Category – Green
Cluster 1 Physical/Applied Sciences Category – Blue
Cluster 2 Life/Biological Sciences Category – Red
Cluster 2 Physical/Applied Sciences Category – Yellow

4. This Office also extends its deepest gratitude for the assistance extended by Dr. Antonio E. Batomalaque, Mr. Antonio E. Tambuli, Ms. Quennie Marie A. Maquilang, Mr. John Waruel F. Liwag, Mr. Richard R. Jugar and Ms. Maricel Eguna-Judilla, who served as the Scientific Review Committee as well as the Board of Judges for the Science Investigatory Projects.

5. Immediate and wide dissemination of this Memorandum is desired.


CARMELITA T. DELANGON
Director III
Officer-in-Charge

CTD/CCL/LCJ/mjd
CLMD

"Educating for a Strong Republic"

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RESULTS OF THE REGIONAL SCIENCE FAIR FOR SCHOOL YEAR 2013-2014

SCIENCE INVESTIGATORY PROJECT – PHYSICAL/APPLIED SCIENCES CATEGORY						
ELEMENTARY LEVEL						
Individual Category						
Rank	Title of Investigation	Researcher	Coach	Code	School	Division
1 st	Peace Lily Leaf Extract with Lemon as Natural Purifier and Freshener	Cerine Louise Bautista	Lelibeth Duran	PSI2	West City Exceptional Child Learning center	Dumaguete City
2 nd	A Mixture of Pandan Leaves and Garlic as a Natural Cockroach Repellant	Ryle Avrian M. Saligumba	Anecita A. Romero	PSI3	Tagbilaran City Central School SPED Center	Tagbilaran City
3 rd	Handy, Easy-Cooking Alcohol Stove (HECAS): the Kitchen Partner	Angel Normevic G. Opada	Dorin Faye Cadayday	PSI4	Sta. Catalina Science ES	Negros Oriental
Team Category						
Rank	Title of Investigation	Researcher	Coach	Code	School	Division
1 st	Melted and Powdered Plastic container Strips as an Additive for more Durable Hollow Blocks	Ritz Daryn Rodriguez Chris Allen Calibo	Nefe Gwendolyn Benlot	PST3	West City ES	Dumaguete City
2 nd	Water Hyacinth (<i>Eichhornia crassipes</i>): A Decorative Centerpiece	Mark Juvic P. Cuevas Paul A. Paalisbo Abby P. Canete	Renilda O. Amaba	PST2	Mactan ES	Lapu-Lapu City
3 rd	Utilization of Plastic Waste (Polyethylene) in the Production of Hollow Blocks and Bricks	Shaella Marie Cubar Franz Bernard Villaflor Fritz Dawn Ramones	Marlina Naingue	PST1	Lahug ES	Cebu City

Elementary Special Awards: Best Poster – Handy, Easy-Cooking Alcohol Stove (HECAS): the Kitchen Partner- Negros Oriental Division
Best Presenter - Cerine Louise Bautista – Dumaguete City

SECONDARY LEVEL						
Cluster 1- Individual Category						
Rank	Title of Investigation	Researcher	Coach	Code	School	Division
1 st	Wave Electric	Jonathan B. Dumale	Maurin C. Castano	C1PSI5	Dr. Cecilio Putong NHS	Tagbilaran City
2 nd	The Feasibility of Sayote Peelings as a Biodegradable Plastic	Nelisa Bulak	Mirasol R. Mendoza	C1PSI4	Paknaan NHS	Mandaue City
3 rd	A Comparative Study of Squash Skin Plastic Wrapper to Commercial Plastic Wrapper	Lino Agrabio JR	Shenny May Tiro	C1PSI3	Marigondon NHS	Lapu-Lapu City

Cluster 1 – Team Category						
RANK	Title of Investigation	Researchers	Coach	Code	School	Division
1 st	Eco-Friendly Cellucrete	Dave Carlson Isidto Joxel Parao Kristia Anne Pomada	Beatriz Maquiling	C1PST3	St. Louis School- Don Bosco	Dumaguete City
2 nd	Jackfruit Peeling as Alternative Binder to Biodegradable Plastic from Cassava (<i>Manihot esculenta</i>) Starch	Jhunly Landera Maglasang Jhoune Michael Nailon Olimba Maria Kristina Perino Aratia	Shiela L. Tirol	C1PST5	Cebu Roosevelt Memorial Colleges	Bogo City
3 rd	Manually-Operated Emergency Universal Mobile Phone Charger	Albertito Crusifio S. Rotea Trina E. Parane Jef Froilan P. Velez	Princess JS R. Comcom	C1PST8	Tanjay City Science High School	Tanjay City

Secondary Cluster 1 Special Awards: **Best Poster** – Paper Product Out of Recycled Manila Papers, Old Newspapers and Used Intermediate Papers – Siquijor Division
Best Presenter – Nelisa Bulak - Mandaue City Division

Cluster 2 – Individual Category						
Rank	Title of Investigation	Researcher	Coach	Code	School	Division
1 st	Aluminum-Air Battery from Soft Drink Cans (An Environment Friendly Alternative Energy Source)	Grace Ann P. Guiuan	Ferrera Oira	C2PSI9	Ramon Teves Pastor Dumaguete Science HS	Dumaguete City
2 nd	Talisay Seed (<i>Terminalia catappa</i>) Extract as Gasoline Extender	Lorion Marc Cesar	Victor Mancao	C2PSI4	Naga NHS	City of Naga
3 rd	Electronic Water Level Early Warning Device: Risk Prevention in the Community	Sheann Jirah Balandra Pelpinosas	Asteria Tutor	C2PSI8	Tagbilaran City Science HS	Tagbilaran City
Cluster 2 – Team Category						
Rank	Title of Investigation	Researchers	Coach	Code	School	Division
1 st	A Comparative Study on the Biosorptive Removal of Heavy Metals from Aqueous Solution by Invasive Weed Species	Florence Pauline G. Basubas Philip Aaron S. Tiu Veronica D. Bejoc	Mary Ann D. Bacalso	C2PST5	Cebu City National Science HS	Cebu City
2 nd	A Model of Still Floodwater High-Pressure Atomizer for Increased Evaporation Rate	Valerie S. Tesing Michael Angelo Obeso Maria Fatima Tan	Romin R. Sanchez	C2PST2	Minglanilla NSHS	Cebu Province
3 rd	Multi-Powered Electric Generating Box	May Marianne G. Cuevo Jailyn B. Dael Ma. Dianne F. Reyes	Princess JS R. Comcom	C2PST10	Tanjay City Science HS	Tanjay City

Secondary Cluster 2 Special Awards: **Best Poster** – A Model of Still Floodwater High-Pressure Atomizer for Increased Evaporation Rate – Cebu Province
Best Presenter – Florence Pauline G. Basubas – Cebu City Division

SCIENCE INVESTIGATORY PROJECT – LIFE/BIOLOGICAL SCIENCES CATEGORY

ELEMENTARY LEVEL						
Individual Category						
Rank	Title of Investigation	Researcher	Coach	Code	School	Division
1 st	Coconut (<i>Cocos nucifera</i>) Water Syrup as a Fruit Preservative	Marchael Isaac L. Manigque	Analyn B. Uy	LSI1	Lahug ES	Cebu City
2 nd	CHIKA Insecticide	Richie Mei S. Catalan	Sheila V. Angue	LSI3	Vicente I. Mem. Sch	Negros Oriental
3 rd	Citrus Medica Wonders	Nina Marie M. Terana	Marlinda M. Punay	LSI2	Cayang ES	Bogo City
Team Category						
RANK	Title of Investigation	Researchers	Coach	Code	School	Division
1 st	Larvicidal Properties of Various Plant Species in the control of Mosquito Wrigglers	Jillian Alexis Rosales Josh Onelle B. Uy Lorraine R. Yrabono	Evelyn Cantilla	LST1	Lahug ES	Cebu City
2 nd	Recycling Grey Water	Rickki Denmark Jaluag Charlou Gantalao Mary Rose Antonette Tolop	Levi Marie	LST3	South City ES	Dumaguete City
3 rd	Leaf Extracts of <i>Aloe vera</i> and <i>Coleus amboinicus</i> (Oregano) as Mosquito Larva Control	Darrelnette V. De Gracia Marc Gilbert H. Aquino Johannelle Gjem C. Badon	Dorin Faye D. Cadayday	LST4	Sta. Catalina Science ES	Negros Oriental

Elementary Special Awards: Best Poster – Leaf Extracts of *Aloe vera* and *Coleus amboinicus* (Oregano) as Mosquito Larva Control-Negros Oriental
Best Presenter - Richie Mei S. Catalan- Negros Oriental

SECONDARY LEVEL						
Cluster 1 – Individual Category						
RANK	Title of Investigation	Researcher	Coach	Code	School	Division
1 st	Isolation and Screening of the Toxin from the Xanthid Crab (<i>Pilumnus vespertilio</i> (Linnaeus) from the Intertidal Reef Area of Ihalason Beach, Banilad, Dumaguete City	Christine Evan Undang	Febe I. Unto	C1LSI1	Dumaguete City HS	Dumaguete City
2 nd	The Provisional Study on the Different Concentration Levels of Rumen Fluid as Water Supplement on Growth of Broilers	Rey Ynan G. Patalinghug	Leif Anthony Rodriguez	C1LSI4	Minglanilla National Science High School	Cebu Province
3 rd	Organic Extracts for Mosquito Larva Control	Ray Chen S. Bahinting	Sherlita Enriquez	C1LSI5	Negros Oriental High School	Negros Oriental

Cluster 1 – Team Category						
Rank	Title of Investigation	Researchers	Coach	Code	School	Division
1 st	Postprandial Anti-Hyperglycemic Effect of an Isolated Alkaloid from <i>Tinospora rumphii</i> Extracts	Kent B. Ocampo Steffy Jell Largo Caitlin Faye Navale	Ryan B. Manubag	C1LST6	Minglanilla National Science HS	Cebu Province
2 nd	The Hypoglycemic Effect of Rose Cactus (<i>Pereskia bleo</i>) on White Mice (<i>Mus musculus domesticus</i>)	Recelyn E. Japitan Lordilyn Z. Beceril Juvinal S. Alvarado	Leslie Joy Rosaldo-Pana	C1LST1	Tipolo NHS	Mandaue City
3 rd	A Study of the Larvicidal Activity in the Extracts of Atis, Sinaw-sinaw, and Lemongrass	Patrich Lozano Michelle Anne Naldo Nicole Kyla Delfin	Mylene Lagahit	C1LST2	Silliman University High School	Dumaguete City

Cluster 1 Special Awards: **Best Poster** – Oregano Leaf (*Oreganum vulgare* L.) Extract as Mosquito Larvae Killer-Tagbilaran City
Best Presenter - Ray Chen S. Bahinting-Negros Oriental

Cluster 2 - Individual Category						
Rank	Title of Investigation	Researcher	Coach	Code	School	Division
1 st	A Study on the Nitrate Levels of Hand Pumps at Katipunan St., Barangay Labangon, Cebu City	Andrea Y. Rabina	Irene P. Lopez	C2LSI3	Cebu City National Science HS	Cebu City
2 nd	The Ability of Mangrove Root to Absorb Lead from Contaminated Water	Shayme Faith Cortes	June Venelec Delgado	C2LSI4	Mandaue City Comprehensive NHS	Mandaue City
3 rd	The Effectivity of Pulverized Crab Shells to Increase the Yields and to Prevent the Occurrence of BER (Blossom End Rot) in Tomato Fruits	Jessie Carl Ibarra Ventures	Rose Marie Hencianos	C2LSI7	Tagbilaran City Science HS	Tagbilaran City

Cluster 2 – Team Category						
Rank	Title of Investigation	Researchers	Coach	Code	School	Division
1 st	The Effect of <i>Moringa oleifera</i> Lam Crude Seed Extract on Sea Urchin <i>Trepneustes gratilla</i> Embryo and Phytochemical Screening of <i>Moringa oleifera</i> Lam	Frances Gail Rollan Brent Andre Bathan Constantine Maranga	Mary Ann D. Bacalso	C2LST4	Cebu City National Science HS	Cebu City
2 nd	The Potential of <i>Jathropa curcas</i> L. as Agent of Profitable Phytoremediation	Ellier Panilag P. Labang Ellonna Mae A. Laborera Jerylve C. Deguma	Leviticus M. Barazon Jr.	C2LST5	Enhanced Special Science and Technology HS	City of Naga
3 rd	Anticoagulant Effect of Dried Jackfruit (<i>Artocarpus heterophyllus</i> Lam.) Seed Powder in Obese Broiler Chickens	Korina Madera Sanchez Osanna Estorpe Erano Gico Ladra Alayon	Asteria Tutor	C2LST10	Tagbilaran City Science HS	Tagbilaran City

Cluster 2 Special Awards: **Best Poster** – A Study on the Nitrate Levels of Hand Pumps at Katipunan St., Barangay Labangon, Cebu City-Cebu City Division
Best Presenter - Andrea Y. Rabina – Cebu City Division