



MAR 08 2010

DepEd MEMORANDUM
No. **107**, s. 2010

2010 DEPED-INTEL PHILIPPINE SCIENCE FAIR RESULTS

To: Regional Directors
Schools Division/City Superintendents
Heads, Public and Private Secondary Schools

1. The Department of Education (DepEd), through the Bureau of Secondary Education (BSE), in coordination with Intel Technology Philippines, Inc. (ITPI) announces the results and congratulates the winners of the 2010 DepEd Intel Philippine Science Fair held at the University of the Philippines Bahay ng Alumni last February 15-17, 2010 with the theme "Mentoring Tomorrow's Innovators".
2. The Science Fair brought together student-researchers and teacher-advisers from the 16 regions with the Regional Coordinators, staff and officials of the Department.
3. The judges for the Science Fair were practitioners in Science and Mathematics and academicians of prestigious organizations and institutions of learning whose decisions were final and irrevocable. The results of the competitions in the Life Science and Physical Science in two (2) clusters with eight (8) categories and the Special Awards are enclosed.
4. Delegates to be sent to the 2010 International Science and Engineering Fair (ISEF) in the United States of America will be selected from the twelve (12) investigatory projects by twenty-three (23) students who were chosen by the ISEF's Scientific Review Committee. The names of the candidates and their projects are enclosed.
5. This Department acknowledges the support of Intel Technology Philippines, Inc. (ITPI), the academicians, and all the regions for the successful conduct of the Science Fair.
6. Immediate dissemination of this Memorandum is desired.


VILMA L. LABRADOR
Undersecretary

Encls.: As stated

Reference: DepED Memorandum: No. 158, s. 2009

Allotment: 1- -(D.O. 50-97)

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

CONTESTS
PRIZES or AWARDS

PROJECTS
SCIENCE EDUCATION

TEACHERS

R-Maricar/DM-Results of DepEd Intel Phil. Science Fair
03-08-10



List of Winners:

Cluster 1, Life Science, Individual

Rank	Region	School/Name of Adviser	Project Title	Name of Student
1	X	Gingoog City Comprehensive HS Hazel Balan Nick Panares	Biodiversity of Benthic Microinvertebrates as Bio Indicator of Water Quality in Badiangon Spring, Gingoog City	Mary Cris Corpuz
2	II	Sto. Tomas NHS Sto. Tomas, Isabela Anaflor A. Suyu	Breadnut (<i>Artocarpus camansi</i>) as Starch Based Biodegradable Plastic	Ivan M. Berenguer
3	III	San. Miguel NHS Farrah O. Macapagal	Antimicrobial Activity of Crabapple Mangrove (<i>Sonneratia caseolaris</i>) Leaf Extract	Chlyde Trixia Anne S. Buenaventura

Cluster 1, Life Science, Team

Rank	Region	School/Name of Adviser	Project Title	Name of Student
1	VI	Negros Occ. HS Division of Negros Occ Russell N. Gorre	<i>Cucurbita moschata</i> seeds and <i>Trichoderma harzianum</i> : Potential Feed Additive and Probiotic for Broiler Chicken	Patrick Romulo Asong Leah Gerelyn Ducay Zoey Delotavo
2	I	Mangatarem NHS Marishell T. Evangelista	Antihyperglycemic Properties of Pandan (<i>Pandanus Amaryllifolius</i>)	Danica S. Gadaingan Ann Margaret S. Orence Emanuel Kenjie D. Abad
3	NCR	Lagro HS Quezon City Shariza P. Deguma	Evaluation of <i>Solanum torvum</i> Plant as an Antibacterial Agent	Ma. Jillian P. Talavera Abraham Roi P. Binas Albert Allan Y. Ponce

Cluster 1, Physical Science, Individual

Rank	Region	School/Name of Adviser	Project Title	Name of Student
1	NCR	R. Magsaysay HS España, Manila June Hayden R. Sinson	Evaluating the Potential of Exploiting <i>Bixa orellana</i> L. (Bixaceae) Pericarp as an Alternative Feedstock for the Production of Fatty Acid Methyl Esters	Paula Franchesca R. Lardizabal

2	XI	La Filipina NHS Tagum City Mylene G. Coquilla	Fungal Antagonists on Diapers Turned Fertilizer to <i>Basella alba</i>	Jennifer Doromal
3	XIII	Agusan del Sur NHS Emy P. Sabater	Effects of Biomagnet Gadget on the Growth and Production of Red algae: Minimizing the Infection of Seaweed's Ice-Ice Disease	Sharmaine M. Burlaza

Cluster 1, Physical Science, Team

Rank	Region	School/Name of Adviser	Project Title	Name of Student
1	NCR	Tondo HS Manila Sonny D. Valenzuela	A Novel Glass From Rice Hull (<i>Oryza sativa</i> L inn) and Oyster Shell (<i>Crassostrea iredalei</i>)	Ma. Veronica T. Pajarillo Paulynne Joanne R. Pascual Geraldine H. Serrano
2	VIII	CRMNHS Tacloban City Eric John P. Estoque	The Making of Tiles Out of Seashells (<i>Anadara ovalis</i>)	Sofia Mae S. Mate Gerald P. Bituin Melchor T. Pingol
3	XI	La Filipina NHS Tagum City Division Mylene G. Coquilla	The Influence of <i>Ricinus communis</i> L. as Contraceptive Agent Towards the Pregnancy of <i>Mus musculus</i>	Sheila Mae Ceballos Kathleen Monton Arvie Clarete

Cluster 2, Life Science, Individual

Rank	Region	School/Name of Adviser	Project Title	Name of Student
1	III	Talavera NHS Talavera, Nueva Ecija Elizabeth G Bravo	Avocado (<i>Persea americana</i>) and Rambutan (<i>Nephelium lappaceum</i>) Seeds Extract for Lowering Total Cholesterol Level	Shiela P. Santos
2	VIII	PSHS-EVC Philippine Science High School, Pawing, Palo, Leyte Janeth M. Fuentes	Antibacterial Activity of Polar Components From Seaweeds	Marc Arthur Jordan I. Limpiado
3	CAR	Cordillera RSHS Benguet Ethielyn E. Taqued	Antibacterial Activity and Stability of <i>Coix lachryma</i> , <i>Bidens pilosa</i> , and <i>Hyptis suaveolens</i>	Yzabel Battad

Cluster 2, Life Science, Team

Rank	Region	School/Name of Adviser	Project Title	Name of Student
1	VIII	Philippine Science High School, Pawing, Palo, Leyte Janeth M. Fuentes	Use of Natural Flocculants in Mitigation of Harmful Algal Blooms	Maria Clara Isabel D. Sia Mark A. Mapalo Jean Reni De Guzman
2	VI	PSHS WV Campus Zennifer Oberio Aris Laroder	Methicilin-Resistant <i>Staphylococcus aureus</i> in Preschoolers Who Have Attended Day Care Centers in the District of Mandurriao	Vincent Anthony Tang Von Janatius Piñano
3	XII	Alabel NSHS Alabel, Sarangani Shiela Butil	Utilization of Golden Apple Snail (<i>Pomacea canalicuta</i>) Meat in the Formation of Bacterial Culture Medium	Kareen Joy Amlon Catherine Dominique M. Andales Eune John Joshua P. Butil

Cluster 2, Physical Science, Individual

Rank	Region	School/Name of Adviser	Project Title	Name of Student
1	IV-A	Cavite NSHS Emmanuel B. Ces	Medget: Area and Length of Diagonals	Maria Loriza A. Miranda
2	XII	Esperanza NHS Harold B. Alvior	Zea maize: Potential Biosorbent for Lead Contaminated Water	Christine G. Rendon
3	XI	Davao City NHS Julius I. Centina	Breadfruit (<i>Artocarpus altilis</i>) Rind and Chalk as Effective Components for Biodegradable plastic	Lyslie Jane J. Vasquez

Cluster 2, Physical Science, Team

Rank	Region	School/Name of Adviser	Project Title	Name of Student
1	CAR	University of Baguio SHS Baguio City Julius Simon	Automated Community Rain Gauge	Aeron Cedric Soria Caleb Ferrer Angelica Mae Gallego
2	XIII	Caraga State University-Cabadbaran Campus Benito A. Baje Joe Lyn D. dela Cruz	Corn Cob Ash (CCA) – A Promising Material for Temperature Sensor (Thermistor): An Investigative Study	Hanna Fruseln S. Escobido Kristine Ann M. Fernandez Brayl G. Ymbol

3	II	PSHS, Cagayan Valley Campus Wowie Rey P. Ariza	Reduction of Raphide Crystals in Two Varieties of Taro [<i>Colocasia esculenta</i> (L.) Schott]	Crisandra Audrey P. Cruzat Johanna Christine Q. Collit Flor Anne C. Irorita
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Special Awards

Award	Region/School /Name of Adviser	Project Title	Name of Student
Yale Science and Engineering Association, Inc.	XIII Caraga State University Laboratory High School, Cabadbaran Campus Benito A. Baje Joe Lyn D. dela Cruz	Corn Cob Ash (CCA) – A Promising Material for Temperature Sensor (Thermistor): An Investigative Study	Hanna Frusein S. Escobido Kristine Ann M. Fernandez Brayl G. Ymbol
RICOH Sustainable Development Award	VIII Philippine Science High School, Pawning, Palo, Leyte Janeth M. Fuentes	Use of Natural Flocculants in Mitigation of Harmful Algal Blooms	Maria Clara Isabel D. Sia Jean Reni de Guzman Marc A. Mapalo
The 2010 Regional RICOH Sustainable Development Award	XI La Filipina NHS Tagum City Mylene G. Coquilla	Fungal Antagonists on Diapers Turned Fertilizer to <i>Basella alba</i>	Jennifer Doromal
The 2010 Regional RICOH Sustainable Development Award	XI University of the Immaculate Conception Davao City (Lorena Alcanzar) Randy Loja	Insecticidal Compounds of Pennyworts (<i>Hydrocotyle verticulata</i>) Extracts Against Rice Black Bug (<i>Scotinophora coarcta</i>) Rice Leaf Folder Moth (<i>Cnaphalochrosis medinalis</i>) and Rice Stalk Borer (<i>Chilo suppressalis</i>)	Joseph Edwards Daleon Mitz Mathew Casianan Eleazar Jose
The 2010 Regional RICOH Sustainable Development Award	VIII Philippine Science High School, Pawning, Palo, Leyte Ana Riza M. Gozon	Effect of Extract From Lagtang (<i>Anamirta cocculus</i>) Seed on Rice Black Bug	Christian Jessie L. Desoloc

The Society for In-Vitro Biology	XII Quantum Academy, Inc. Gen. Santos City Pelmar Fernandez	<i>In vitro</i> Evaluation of the Efficacy, Cytotoxicity, and Stability Potential of Formulated Antibacterial Ointment From <i>Urena lobata</i> Leaves Extract	Steven Cuapoco T. Tan Andre Dometita
The Society for In Vitro Biology	CAR Cordillera RSHS Benguet Ethielyn E. Taqued	Response of <i>Ralstonia solanacearum</i> to Sunflower (<i>Helianthus annuus</i>) and Brugmansia (<i>Brugmansia arborea</i>) Leaf Extracts	Safrone Dicam Armando Palbusa, Jr.
ASM Materials Education Foundation	NCR Tondo HS Sonny D. Valenzuela	A Novel Glass From Rice Hull (<i>Oryza sativa Linn</i>) and Oyster Shell (<i>Crassostrea iredalei</i>)	Ma. Veronica T. Pajarillo Paulynne Joanne R. Pascual Geraldine H. Serrano
ASM Materials Education Foundation	II Sto. Tomas NHS Anaflor A. Suyu	Breadnut (<i>Artocarpus camansi</i>) as Starch Based Biodegradable Plastic	Ivan M. Berenguer
MU Alpha Theta Award	III Olongapo City NHS Alegria M. Chico	Transeltric (Construction of Transistor Electric Device as an Alternative for Photocell)	Clements Rex S. Dingil
MU Alpha Theta Award	IV-A Cavite NSHS Emmanuel B. Ces	Medget: Area and Length of Diagonals	Maria Loriza A. Miranda
BALUD International Development Award (BIDA)	IV-B Puerto Princesa CNSHS Jane G. Favila	The Utilization of Coastal Waves as an Alternative Source of Electrical Energy	Alexis Gabucayan Ralph Ryan P. Pais

2010 ISEF Candidates

Region	Code Number	Project Title and Name of Leader/Presenter	School Address / Project Adviser
VI	C1CLST-10	<i>Cucurbita moschata</i> seeds and <i>Trichoderma harzianum</i> : Potential Feed Additive and Probiotic for Broiler Chicken Students: Patrick Romulo Asong Leah Gerelyn Ducay Zoey Delotavo	Negros Occ. HS Division of Negros Occ Russell N. Gore
XII	C1LST-14	<i>In vitro</i> Evaluation of the Efficacy, Cytotoxicity, and Stability Potential of Formulated Antibacterial Ointment From <i>Urena lobata</i> Leaves Extract Students: Steven Cuapoco T. Tan Andre Dometita	Quantum Academy, Inc. Gen. Santos City Pelmar Fernandez
NCR	C1LST-07	Evaluation of <i>Solanum torvum</i> Plant as an Antibacterial Agent Students: Ma. Jillian P. Talavera Abraham Roi P. Binas Albert Allan Y. Ponce	Lagro HS Quezon City Shariza P. Deguma
III	C2LSI-06	Avocado (<i>Persea americana</i>) and Rambutan (<i>Nephelium lappaceum</i>) Seeds Extract for Lowering Total Cholesterol Level Student: Shiela P. Santos	Talavera NHS Talavera, Nueva Ecija Elizabeth G. Bravo
VII	C2LSI-14	Ersatract (<i>Caulerpa racemosa</i> Extract): An Effective Agent in Hemorrhage Inhibition Through Catalytic Action on Blood Coagulation Cascade Factor Activation and Competition Student: Mitchiko Je M. Bito-on	Ramon Teves Pastor Memorial Dumaguete High Science High School Alvin Susain
VIII	C2LSI-02	Antibacterial Activity of Polar Components From Seaweeds Student: Marc Arthur Jordan I. Limpiado	Philippine Science High School, Pawing, Palo, Leyte Janeth M. Fuentes
VIII	C2LST-12	Use of Natural Flocculants in Mitigation of Harmful Algal Blooms Student: Maria Clara Isabel D. Sia Mark A. Mapalo Jean Reni De Guzman	Philippine Science High School, Pawing, Palo, Leyte Janeth M. Fuentes
XI	C1PSI-03	Fungal Antagonists on Diapers Turned Fertilizer to <i>Basella alba</i> Student: Jennifer Doromal	La Filipina NHS Tagum City Mylene G. Coquilla

NCR	C1PSI-12	Evaluating the Potential of Exploiting <i>Bixa orellana</i> L. (Bixaceae) Pericarp as an Alternative Feedstock for the Production of Fatty Acid Methyl Esters Student: Paula Franchesca R. Lardizabal	R. Magsaysay HS España, Manila June Hayden R. Sinson
IV-A	C2PSI-05	Medget: Area and Length of Diagonals Student: Maria Loriza A. Miranda	Cavite NSHS Emmanuel B. Ces
XIII	C2PST-13	Corn Cob Ash (CCA) – A Promising Material for Temperature Sensor (Thermistor): An Investigative Study Student: Hanna Frusein S. Escobido, Kristine Ann M. Fernandez, Brayl G. Ymbol	Caraga State University Laboratory High School, Cabadbaran Campus Benito A. Bojo Joy Lyn dela Curz Fernandez
CAR	C2PST-14	Automated Community Rain Gauge Student: Aeron Cedric Soria, Caleb Ferrer, Angelica Mae Gallego	University of Baguio SHS Baguio City