



Republic of the Philippines
Department of Education



JUN 26 2007

DepED MEMORANDUM
No. **251** s. 2007

**PROUDLY FILIPINO: THE 2007 INTEL INTERNATIONAL SCIENCE
AND ENGINEERING FAIR (ISEF) WINNERS**

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

1. In recognition of the exemplary performance of the Philippine delegates in the Intel International Science and Engineering Fair (ISEF) held at the Albuquerque Convention Center, Albuquerque, New Mexico, U.S.A. on May 13-18, 2007, the Department of Education (DepED) through the Bureau of Secondary Education, in partnership with Intel Technology Philippines, Inc. (ITPI) and with the assistance of the Department of Science and Technology (DOST), is proud to announce the winners and their respective projects and awards.

Name of Student/s and Advisers	School/Region	Project Title	Awards Received (Prize/Category)
Melvyn Karlo T. Barroa Ronilo Aponte (adviser)	Capiz NHS/Region VI	Fish Mucus: Its Potential Antimicrobial Effect on Human Pathogens and Possible Role in Innate Immunity	4 th Place Individual Grand Award
Hester Mana D. Umayam Orcene D. Sansino (adviser)	Philippine Science HS-Cagayan Valley Campus/Region II	Ethnomathematics in the Geometric Patterns in Woven Designs of the Indigenous Kalinga of the Philippines	4 th Place Individual Grand Award
Ivy Razel V. Ventura Mara Elaine D. Villaverde Janine Cindy M. Santiago Edgar Tafaleng (adviser)	Philippine Science High School-Diliman Campus/NCR	Screening, Isolation and Characterization of Flourescents Protein From Nudibranch	4 th Place Team Grand Award


Name of Student/s and Advisers	School/Region	Project Title	Awards Received (Prize/Category)
Luiji John Karlo M. Suarez Bernadette M. Suarez (adviser)	Dona Hortencia Salas Benedicto NHS/Region VI	The Potential of Marine Bioluminescent Bacteria and Antibacterial Agents Against Two Major Rice Diseases Caused by <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> and <i>Xanthomonas oryzae</i> pv. <i>Oryzicola</i>	National Collegiate Inventors and Innovators Alliance/The Lemelson Foundation Award Special Award

2. DepED and the agencies involved in this undertaking also recognize the participation of the other delegates in the Intel ISEF:

Name of Student/s and Advisers	School/Region	Project Title	Awards Received (Prize/Category)
Jane L. Suede Charlotte Joyce M. Gamelong Verna Joy M. Cabanero Adaia Opena (adviser)-	Dona Hortencia Salas-Benedicto NHS/Region VI	Attraction and Parasitization Response of the Parasitoid <i>Trichogramma japonicum</i> Ashmead to <i>Oregano</i> , <i>Origanum vulgare</i> Extract	National winners: finalists

3. The students were all winners at the national level of the 2006-2007 DepED-Intel Philippine Science Fair conducted at the Tagaytay International Convention Center, Tagaytay City on February 14-16, 2007 (the list of 1st, 2nd and 3rd place winners, including the names of advisers of the Grand Awards, Special and Corporate Awards are enclosed). The Intel ISEF was participated in by 1,500 students from more than 50 countries.

4. Wide dissemination of this Memorandum is desired.


JESLI A. LAPUS
Secretary

Encls.: As stated
Reference: DepED Memorandum: No. 68, s. 2007
Allotment: 1--(D.O. 50-97)
To be indicated in the Perpetual Index
under the following subjects:

CONTESTS
SCIENCE EDUCATION
STUDENTS

Reformatted by: Sally ISEF winners
June 7, 2007

(Enclosure to DepED Memorandum No. 251, s. 2007)

2006-2007 DepED Intel Philippine Science Fair
 Tagaytay International Convention Center
 February 14-16, 2007

Grand Awards

Fair Division: Physical Science
 Cluster : 1
 Category : Individual
 Level : National

Awards	Region	Name of Project Leader/Presenter	Project Title	School/Address/Phone #	Project Adviser
1st PLACE	XIII	Anthon Mark Jay A. Rivas	Novel Shield Against Gamma Radiation from Tilapia (<i>Oreochromis sp.</i>) Scales: The Next Generation Radiation Protection	Bayugan Nat'l Compre HS Bayugan, ADS 085-3436115	Gregor C. Burdeos
2nd PLACE	CAR	Larry N. Caouada	The Application of Celery Extract as an Organic Alternative to Commercial Coolants	Baguio City Science Foundation	Marvin Badongen
3rd PLACE	II	Rachelle F. Rojo	Magnificent Epidiascope	Santo Tomas NHS Sto. Tomas, Isabela	Anafior A. Suyu / Ernesto B. Suyu

Fair Division: Physical Science

Cluster : 1
 Category : Team
 Level : National

Award	Region	Name of Project Leader/Presenter	Project Title	School/Address/Phone #	Project Adviser
1st PLACE	NCR	Ramoncito Cabrera Marvin D. Navarra Cristine B. Azur	The Experimental Design for the Utilization of the Weight of Vehicles as a Source of Electricity in Superhighways	Caybiga HS Bagbaguin, Caloocan City 9836994	Ruby C. Domingo
2nd PLACE	IV-B	Alvanna Marie C. Carrion Kenneth R. Mangui Shireen Mainao	Feasibility of the SAP Extract from the stem of Physic Nut (<i>Jatropha curcas</i>) as a Water Potability Indicator	Manduque NHS Boac, Marinduque	Menandro M. Merlin
3rd PLACE	VIII	Trixie Mae R. Moral April Joy C. Dy Ketslynn C. Tan	Spider Silk as Treatment for Minor Wounds	Asian Development Foundation College-HS Dept. BLISS, Sagkahan, Tacoban City	Ma Lourdes G. Tan

**2006-2007 DepED Intel Philippines Science Fair
Tagaytay International Convention Center
February 14-16, 2007**

Fair Division : Physics Science
Cluster : 2
Category : Individual
Level : National

Award	Region	Name of Project Leader/Presenter	Project Title	School/Address/Phone #	Project Adviser
1st PLACE	XIII	Edsel James C. Sandico	Rhizobial EPS and Morning oiefera Seed Extract: Potential Bisorbent for Lead via Flocculation	Agusan del Sur NHS San Francisco, ADS 085-8391413	Julie Ann Bonsubre
2nd PLACE	XII	Ariane Dave D. Farnazo	Partial Isolation of Mungbean (Vigna radiata) Seed as Cationic Polymeric Coagulant for Pb ²⁺ Removal from Simulated Wastewater Effluent	Alabel NSHS Alabel, Sarangani Province	Dexter C. Necor
3rd PLACE	II	Hester Mana D. Umayam	Ethnomathematics Application on the Different Derived Patterns from Chosen Kalinga Woven Fabrics	PSHS-CVC Bayombong, Nueva Vizcaya 078-3214112	Orcene D. Cancino

Fair Division : Physics Science
Cluster : 2
Category : Team
Level : National

Award	Region	Name of Project Leader/Presenter	Project Title	School/Address/Phone #	Project Adviser
1st PLACE	NCR	Ivy Razei B. Ventura Janine Cindy M. Santiago Mara Eliane D. Villaverde	Screening, Isolation and Characterization of Fluorescent Proteins from Nudibranchs	PSHS Diliman, QC	Edgar Tafaleng
2nd PLACE	XI	Vivien Q. Ang	The Feasibility of Defective Transistors as a Main Component for Solar Cells	Univ. of the Immaculate Conception Bajada, Davao City	Antonio Buca
3rd PLACE	XIII	Abel Ananona Therese Joy Calo Gelyn Buñol	Armor Against UV: Rambutan Pericarp (<i>Nephelium lappaceum</i>) and (<i>Solanum melangona</i>) as Chemo Preventive Agents	Agusan Sur Science HS Prosperidad, ADS 085-2422144	Norelyn M. Elladora Romina T. Diamante

2006-2007 DepED Intel Philippines Science Fair
 Tagaytay International Convention Center
 February 14-16, 2007

Fair Division: Life Science
 Cluster: I
 Category: Individual
 Level: National

Awardee	Region	Name of Project Leader/Presenter	Project Title	School/Address/Phone #	Project Adviser
1st PLACE	II	Sunshine Grace F. Cabatar	The Multisecidial Activity of Ector (Serringtonia asiatica) Against Golden Snail and Its Effect on the Rice Seedlings	Aurora NHS Baler, Aurora	Cynthia Luz Nabute
2nd PLACE	III	Michelle H. Rodriguez	Bioassay Test of Different Concentrations of Lemongrass (Cymbopogon citratus) Leaf Extract, <i>Erwinia carotovora</i> Causing Soft Rot of Eggplant	Digos City NHS Digos City	Julius Centina
3rd PLACE	VI	Luis John F. and M. Suarez	Marine Bioluminescent Bacteria Isolates of the Vibrio spp. As a Narrow Spectrum Antibacterial Agent Against <i>Xanthomonas oryzae</i> pv. <i>Oryzae</i> and <i>Xanthomonas oryzae</i> pv. <i>Oryzicola</i>	Dona Hortencia Salas Benedicto NHS La Carlota City	Bernadette M. Suarez

Fair Division: Life Science
 Cluster: I
 Category: Team
 Level: National

Awardee	Region	Name of Project Leader/Presenter	Project Title	School/Address/Phone #	Project Adviser
1st PLACE	VI	Jane L. Suede Charotte Joyce M. Gameliong Vivian Jo. M. Cabanero	Attraction and Parasitization of the Parasitoid, <i>Trichogramma japonicum</i> Ashmead to: <i>Oregano</i> , <i>Oreganum vulgare</i> Extract	Dona Hortencia Salas Benedicto NHS La Carlota City	Adala Oprena
2nd PLACE	II	Maione A. Pancho Anna Maria R. Paz Jackielou E. Gallardo	Golden Organic Feeds: An Alternative Swine Feed	Bongabon NHS Brgy. Simpit, Bongabon, Nueva Ecija	Marie Claire V. Cabog
3rd PLACE	III	Alexandra Jose C. Epu Arac G. Montalban Jose Joseph S. Fresta	Phytoelectrons from <i>Smeima</i> Artocae Fruit	Batasán Hills NHS	Ron Bayo-Ang

2006-2007 DepED Intel Philippines Science Fair
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Fair Division: Life Science
 Cluster: 2
 Category: Individual
 Level: National

Award	Region	Name of Project Leader/Presenter	Project Title	School/Address/Phone #	Project Adviser
1st PLACE	VI	Melvin Garcia Barroa	Fish Mucus: Its Potential Antimicrobial Effect on Human Pathogens and Possible Role in Innate Immunity	Capiz NHE Fuentes Drive, Roxas City	Robilo Aponte
2nd PLACE	VI	Ve R. Orsini	Evaluation of Different Boar (Sus scrofarica) Semen as Alternative for Commercial Extenders	University of Saint Anthony HS Inga City	Nonita Gascon
3rd PLACE	XI	Raisa Ane M. Labañog	Effects of Indian Tree (Polyalthia longifolia) Extracts and Chemicals on the Vascularity and Quality of Fuses of Crimson Red	Central Mindanao University Laboratory HS Musuan, Bukidnon	Luzviminda C. Gutrea

Fair Division: Life Science
 Cluster: 2
 Category: Team
 Level: National

Award	Region	Name of Project Leader/Presenter	Project Title	School/Address/Phone #	Project Adviser
1st PLACE	NCR	Richmarie Sibiera Amin de Guzman Aileen Junio	Utilization of Janitor Fish Skin as Leather Product	Marikina Science HS	Rowena Sanchez
2nd PLACE	IV	Kristine Elipse Colomantes Eloise Katrina Remedios Acuña Dedelee Dale T. Doreasa	The Effect of Tawarawa (Euchorda hirta Lam.) Decoction on the Blood Platelet Count of White Mice (Mus musculus)	Regional Science HS Malasiga San Roque Zamboanga Cit	Dominic V. Bais
3rd PLACE	III	Jennifer G. Lujan Christopher Adamo Lopez Ronnel Chac Mat Ariga	The Effect of Amananthus amarus L. on the Blood Sugar Level of Mus musculus	Surgac del Monte NHE	Florentino Serrano

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Special Awards

Award	Project Title	Name of Project Exhibitor/Leader	Project Adviser	Name of School
Hoover	The Experimental Design for the Utilization of the weight of vehicles as a source of electricity in super highways	Ramoncito Cabrera	Rudy C. Domingo	Caybiga HS Lipa City NHS
	Radio Controlled Pesticide and Fertilizer Spraying Mobat: An alternative in agricultural technology	Lovielyn Angeli T. Dumaan	Erlinda D. Agno	Lipa City National Science High School
RICOH	Practical Application and Actual Field Study of Sea Poison Tree (Barringtonia Asiatica) Wettable Powder as an Effective Molluscicidal Agent Against Golden Apple Snail (Pomacea Canaliculata)	Liv Angeli T. Duman	Mary Ruth R. Edraclan	
	Novel Shield Against Gamma Radiation from Titapia (Oreochromis sp.) Scales: The Next Generation Radiation Protection	Anthon Mark Jay A. Rivas	Gregor C. Budeos	Bagumbayan Nat'l Co HS
SPIE (2)				
Intel (2)				
Yale (2)	Establishing the Possibility of Tissue Culture of Three Mangrove Species (A Two-Phase Study Using Various Tissue Culture Methods)	Christine Lyn Marcelino - R VI Glen Dale Fantonalgo	Harold P. Mediodia	PHSHS -WVC
	Steam-Activated Rice Hull as an Absorbent Medium in Purifying Contaminated Water	Ma. Concepcion G. Retrado Astrid Lyn Martinez Mary Pearl Joanne S. Fuentes	Ma. Melanie P. Romero	Negros Occ. Science HS
BIDA	The Molluscicidal Activity of Botox (Barringtonia Asiatica) Against Golden Snail and Its Effect on the Rice Seedlings	Sunshine Grace F. Cebatan	Cynthia Luz Nabutele	Aurora Nat'l HS Baier Aurora
Samahang Piskang Pilipinas	The Feasibility of Defective Transistors as Main Component for Solar Cells	Vivien Ang, Ralph Sungahid & Danver Diapolet	Antonio Buca	

**2006-2007 DepED-INTEL PHILIPPINE SCIENCE FAIR
WINNERS OF CORPORATE AWARDS**

Smart Communications

It is involved thru its adopt-a-school program for the elementary level, the "Smart Schools Program," for the secondary level and the "Smart Wireless Engineering Education Program" for the tertiary level, in initiatives to nurture innovation and integration of ICT in education. As such, Smart supports Intel in its efforts to encourage and recognize student innovation and excellence in the field of Science and Technology.

Project Title	Name of Project Exhibitor/Leader	Project Adviser	Name of School	Address of School/ Telephone No./Region
Live Microscopic Images on Computer Screen	Christian Dave P. Bermudo	Ferdinand G. Masangkay	San Jose NHS	San Jose, Occidental Mindoro

ESTE A

Project Title	Name of Project Exhibitor/Leader	Project Adviser	Name of School	Address of School/ Telephone No./Region
The Variability and Acceptability of Papaya Fruit (Carica Papaya L.) as Tea Granules	Shama A. Ramos Diana G. Danao Thomy L. Obillo	Efren V. dela Cruz	Ilocos Norte NHS	Laoag, Ilocos Norte

GOLDILOCKS

Project Title	Name of Project Exhibitor/Leader	Project Adviser	Name of School	Address of School/ Telephone No./Region
The Utilization of Camageg (Dioscorea luzonensis schauer) as Main Ingredient of Haleya	Lem Micah Pascua	Anna Mane Reyes	BHC Educational Institution Incorporated	San Fernando City

ewlett-Packard

Project Title	Name of Project Exhibitor/Leader	Project Adviser	Name of School	Address of School/ Telephone No./Region
Live Microscopic Images on Computer Screen	Cristian Dave P. Bermudo	Ferdinand G. Masangkay	San Jose NHS	

LDT

Project Title	Name of Project Exhibitor/Leader	Project Adviser	Name of School	Address of School/ Telephone No./Region
The Experimental Design for the Utilization of the Weight of Vehicles as a Source of Electricity in Superhighways	Ramoncito Cabrere Marvin D. Navarra Christine B. Azur	Ruby C. Domingo	Caybiga High School	