



Republic of the Philippines  
**DEPARTMENT OF EDUCATION**  
**REGION IV-A CALABARZON**  
Gate 2, Karangalan Village, Cainta Rizal



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**REGIONAL MEMORANDUM**

No. 376 s, 2016

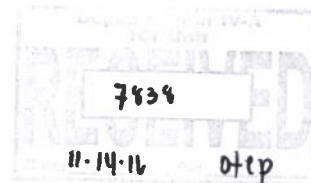
TO : ALL SCHOOLS DIVISION SUPERINTENDENTS

FROM :   
ANN GERALYN T. PELIAS  
Chief Administrative Officer  
**Officer in Charge**  
**Office of the Regional Director**

SUBJECT: **WINNERS OF THE 2016 RSTFC**

DATE : November 14, 2016

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1. Enclosed is the list of winners of the 2016 Regional Science and Technology Fair and Congress, the content of which are self-explanatory, for information.
  2. Immediate dissemination of this memorandum is desired.



## 2016 Regional Science and Technology Fair and Congress

Sta Cruz, Laguna  
October 16-19, 2016

### LIST OF WINNERS

Category		Division	Name	Title of Research
SIP Elementary	First Place	Tayabas		Alugbati Fruit Extract as Acid Base Indicator
	Second Place	Cavite	Krishna Paula G. Tayag	Production of Ethanol from Mabolo
	Third Place	Rizal	Kimberly Kate Gojar, Ernest Louie Macas	Password Protected Convenience Outlet
SIP STEM Learner	First Place	Cavite Province	Alex Jade A. Ausan, Karl Adria T. De Guzman, Celine D. Lontoc	Oracle-operative race and android-Controlled game for learners in Elementary
	Second Place	Bacoor City	John P. Disu, John Mark C. Molito, John Paulo R. Renegado	Seitonrico-bot: a waste segregator robot
	Third Place	Cavite Province	Nicole Mejia, Meryl Ann B. Lucero, Christell Danya B. Tansiongco	Hypoglycemic effect of Bignay (Antidesma bunius) leaves extract in male albino mice (Mus Musculus)
SIP STEM Teacher	First Place	Bacoor City	Edwin Ugali	Evaluation of cytotoxicity and genotoxicity of Ashitaba Leaf Crude extracts against human breast Cancer
	Second Place	Cavite Province	Elain E. Malones	Angiogenic effect of Euphorbia hirta (Tawa-tawa) leaves in the Chorioallantonic Membrane (CAM) of duck embryo
	Third Place	Dasmariñas City	Marian S. Penales	Adsorption of Cadmium from Aqueous Solutions using Atrina Shell Powder
Applied Science- Team	First Place	Imus City	Mary Shanaeya B. Teves, Adrian Joseph B. Tugade, Marc Joshua A. Valdez	Utilizing used disposable diaper in the production of cellulosic ethanol
	Second Place	San Pablo City	Alianna E. Balaaldia, Joey Mickai G. Leano, John Michael Angelo L. Villapando	Carbon Monoxide Gas Sensing Using Zinc Oxide grown by Spray Pyrolysis
	Third Place	Tayabas City	Luis Alfonso G. Dafez, Nicole Bryan G. Rodriguez, Pauline Nicole D. Mabilin	Solar-Powered mechanical rice transplanter

Applied Science- Individual	First Place	Tayabas City	Chrystal Jane R. Reyes	Leaves of Madagascar Dragon tree ( <i>Dracaena reflexa</i> var. <i>angustifolia</i> baker) as vehicles emission biofilter
	Second Place	San Pablo City	Justin Leigh A. De Luna	Microbial inhibition and photocatalytic activity of ZnO-CuO junction embedded on paper
	Third Place	Batangas City	Cheryll Anne C. Mercado	Utilization of chicken ( <i>Gallus gallus domesticus</i> ) feathers as fiberglass

Life Science-Team	First Place	Laguna Province	Nathanielle Keith O. Bonganoy, Erleen A. Manuel, Franchesca Paulene C. Pangat	Isolation and partial purification of winged bean ( <i>Psophocarpus tetragonolobus</i> (L.) DC) proteins with bioactive peptides exhibiting antioxidant and antihyperintensive properties
	Second Place	Sta. Rosa City	Juan Carlos De Leon, Ryan Tristan Medina, Sam Immanuel Gaylican	Utilization of ripe carabao mango peel extract as a biostimulant for rice plant
	Third Place	Batangas Province	Missy S. Sison	SarDina sp. as soil enhancer for plant growth

Life Science-Individual	First Place	Laguna Province	Katherine A. Adille	Colloidal copper nanoparticles as antimicrobial agent against <i>Enterobacter aerogenes</i>
	Second Place	Cavite Province	Michaela B. Cabrera	Mitotic index and Toxicity of the Ethanol peel extract of unripe <i>Carica Papaya</i> L. (Papaya)
	Third Place	Tayabas City	Roland Emerson o. Mabuting	Antimicrobial activity of Sampa-sampalukan ( <i>Phyllanthus niruri</i> Linn.) and parol-parolan ( <i>Cardiospermum halicacabum</i> Linn.) leaf extracts on <i>Escherichia coli</i> , <i>Staphylococcus aureus</i> , <i>Salmonella typhi</i> , and <i>Candida albicans</i>

Innovative Instructional Material	First Place	Cavite Province	Albert O. Montino
	Second Place	Cavite City	Louie-Zel M. Pedro
	Third Place	Quezon	Maerladiza A. Sarcos

Science Mind Maps	First Place	San Pablo City	Genesis G. Cuenca
	Second Place	Calamba City	Esther Ruth J. Elec
	Third Place	Dasmariñas City	Resthee Jazo P. Prades

Infographics	<b>First Place</b>	<b>Batangas Province</b>	<b>Jeffrey V. Balboa</b>
	Second Place	Cavite City	Julie Ann S. Rodriguez
	Third Place	Imus City	Maria Aiza B. Lim

Science Video MTB-MLE	<b>First Place</b>	<b>Tayabas</b>	<b>Laurice D. Zapata</b>
	Second Place	Calamba City	Mary Kris Faye D. Aya
	Third Place	Batangas Province	Rommel G. Hernandez

<b>Science Quiz Bee Elementary Category</b>			
Group 1	<b>Overall Winner</b>	<b>Bacoor City</b>	<b>Jude Ashley B. Mariblanca</b>
	Second Place	Batangas City	Ashton Francis A. Argente
	Third Place	Cavite Province	Hanz Benedict A. Alvarez
Group 2	<b>Overall Winner</b>	<b>Batangas City</b>	<b>Jhim Paolo A. Pagsinuhin</b>
	Second Place	Binan City	Nel Xedrik C. Ariscon
	Third Place	San Pablo City	Marious Joaquin A. Cuenca

<b>Science Quiz Bee Secondary Category</b>			
Grade 7	<b>First Place</b>	<b>Lipa City</b>	<b>Andrei Ryan Roxas</b>
	Second Place	Imus City	Khaylee Vecina
	Third Place	Batangas City	Andreas E. Esguerra
Grade 8	<b>First Place</b>	<b>Laguna Province</b>	<b>Khall Nicolas S. De Paz</b>
	Second Place	Antipolo City	Juan Carlos V. Isip
	Third Place	Cavite Province	Sean Andrei E. Capulot
Grade 9	<b>First Place</b>	<b>Dasmarias City</b>	<b>Marksen Victor O. Lizarondo</b>
	Second Place	Batangas City	Marden Justine Carl S. Banan
	Third Place	Laguna City	Rollic V. Conducto
Grade 10	<b>First Place</b>	<b>Cavite Province</b>	<b>Cedric Justine B. Encarnacion</b>
	Second Place	Bacoor City	Mark Angelo S. Del Rosario
	Third Place	Imus City	Odric Janlo B. Bordaje

Science Quiz Bee Elementary-Teacher Category	<b>First Place</b>	<b>Cavite Province</b>	<b>Cesar G. Concha</b>
	Second Place	Santa Rosa City	Mernie Grace D. Naldoza
	Third Place	Lipa City	Alexander Simagala

Science Quiz Bee Secondary-Teacher Category	<b>First Place</b>	<b>Quezon Province</b>	<b>Jeric Ilaio</b>
	Second Place	Tayabas City	Margaret Elaine Calvendra
	Third Place	Antipolo City	Myra Sajulan

Best Poster	<b>First Place</b>	<b>San Pablo City</b>	<b>Researchers Team</b>
	Second Place	Antipolo City	
	Third Place	Calamba City	

Science Folio-Teachers' Category (Elementary)	<b>First Place</b>	<b>Quezon Province</b>	<b>Lanny V. Luzon</b>
	Second Place	Tayabas City	Christine V. Cabuyao
	Third Place	Tanauan City	Erwena C. Vergara

Science Folio-Teachers' Category (Secondary)	<b>First Place</b>	<b>Quezon Province</b>	<b>Jeric M. Ilaio</b>
	Second Place	Cavite Province	Vilma A. Buladas
	Third Place	Tayabas City	Michael M. Safrena

Robotics (Sumobot) 400 grams	<b>First Place</b>	<b>Cavite</b>
	Second Place	Bacoor

Robotics (Sumobot) 500 grams	<b>First Place</b>	<b>Bacoor</b>
	Second Place	Laguna
	Third Place	Batangas City

Robotics (Sumobot) 1 kilograms	<b>First Place</b>	<b>Batangas</b>
	Second Place	Bacoor
	Third Place	Binan

Robotics (Sumobot) 3 kilograms	<b>First Place</b>	<b>Cavite</b>
	Second Place	Sta Rosa
	Third Place	Bacoor

Robotics (Line tracing)	<b>First Place</b>	<b>Laguna</b>
	Second Place	Calamba
	Third Place	Lucena

Robotics (Innovative)	<b>First Place</b>	<b>Cavite</b>
	Second Place	Rizal
	Third Place	Bacoor

Robot Dancing	<b>First Place</b>	<b>Calamba City</b>
	Second Place	Cavite
	Third Place	Bacoor

Overall Top Performing Divisions	<b>First Place</b>	<b>Cavite Province</b>
	Second Place	Bacoor City
	Third Place	Laguna Province
	Fourth Place	Tayabas City
	Fifth Place	Quezon Province