



Republic of the Philippines  
Region VII, Central Visayas  
**SCHOOLS DIVISION OF NEGROS ORIENTAL**  
[www.depednegor.net](http://www.depednegor.net)

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December 13, 2017

**MEMORANDUM**

**TO : CHIEF, CURRICULUM IMPLEMENTATION DIVISION  
CHIEF, SCHOOLS GOVERNANCE AND OPERATIONS DIVISION  
PROGRAM SUPERVISORS & SPECIALIST  
PUBLIC SCHOOLS DISTRICT SUPERVISORS/DISTRICTS IN-CHARGE**

Enclosed is Regional Memorandum No. 0969, s. 2017 dated December 11, 2017 entitled "Results of the Regional Science and Technology Fair (RSTF) for SY 2017-2018, which is self-explanatory, for your information.

Wide dissemination of this Memorandum is highly directed.

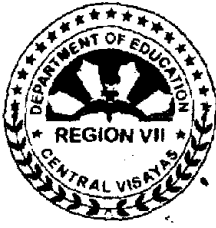
**SALUSTIANO T. JIMENEZ, L.I.B., CESO VI**  
Schools Division Superintendent  
OIC-Office of the Asst. Regional Director

12/13/17

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REPUBLIKA NG PILIPINAS  
REPUBLIC OF THE PHILIPPINES  
KAGAWARAN NG EDUKASYON  
DEPARTMENT OF EDUCATION  
REHIYON VII, GITNANG VISAYAS  
REGION VII, CENTRAL VISAYAS  
Sudlon, Lahug, Cebu City



*D: 12/11/17*

DEC 11 2017

**REGIONAL MEMORANDUM**

No. 0969, s. 2017

**RESULTS OF THE REGIONAL SCIENCE AND TECHNOLOGY FAIR (RSTF)  
FOR SY 2017-2018**

To: Schools Division Superintendents

1. This Office announces and congratulates the winners of the recently concluded Regional Science and Technology Fair (RSTF) for School Year 2017-2018 held last November 9-11, 2017 at the DepEd Ecotech Center, Sudlon, Lahug, Cebu City.

**RESEARCH COMPETITION (SCIENCE INVESTIGATORY PROJECT)**

**ELEMENTARY LEVEL**

**LIFE/BIOLOGICAL SCIENCE INDIVIDUAL – ELEMENTARY**

	Title of Investigation	Researcher	Adviser	Code	School	Division
FIRST PLACE	Inhibition of Gram positive and Gram-negative Bacilli to Muntinga calabura L. Leaf Extract	Mark Vincent T. Manapao	Analyn B. Uy	E-LSI-3	Lahug ES	Cebu City
SECOND PLACE	The Efficacy of Banana Peels as Compost Tea In Growing Pechay Plant	Heart Sophia P. Flores	Ritchelle N. Crisostomo	E-LSI-5	Bogo Central School II	City of Bogo
THIRD PLACE	Lemon Grass Leaf Extract as Natural Cockroach Repellant	Claire Marie M. Hernando	Mary Ann Felecio Savior	E-LSI-9	Tagbilaran City SPED Center	Tagbilaran City

**LIFE/BIOLOGICAL SCIENCE TEAM – ELEMENTARY**

	Title of Investigation	Researcher	Adviser	Code	School	Division
FIRST PLACE	Growth and Yield of Pechay (Brassica rapa) using Different Types of Organic Fertilizers	Cadungog, Carl T Cadungog, Jelyn Z. Gaga-a, Nicole Elizabeth	Helen E. Jamandron	E-LST-1	Bayawan City East CS	Bayawan City
SECOND PLACE	The Potency of Euphorbia hirta Plant Extract Against Gastrointestinal Tract Infection (GIT)	Julianne April Sanchez Clentfrich Jan Talingting Nino MJ Valenzona	Analyn Uy	E-LST-4	Lahug ES	Cebu City
THIRD PLACE	Alagaw (Premma odorata blanco) Leaves as Meat Tenderizer	Euric Andrie S. Barrera Libbi Djene D. Waro Shammah Tzyrl Lvan Uy	Mercy G. Yagoy	E-LST-9	Amlan Central ES	Negros Oriental

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Quality Assurance Division (QAD), Tel. Nos.: (032) 231-1071 Human Resource Development Division (HRDD), Tel. No.: (032) 255-5239  
Education Support Services Division (ESSD), Tel. No.: (032) 254-7062 Planning, Policy and Research Division (PPRD), Tel. Nos.: (032) 253-9030;  
414-7065 Administrative Division, Tel. Nos.: (032) 414-7326; 414-4367; 414-7366; 414-7322; 414-4367  
Finance Division, Tel. Nos.: (032) 256-2375; 253-8061; 414-7321

*"EQA 2015: Karapatan ng Lahat, Pananagutan ng Lahat"*

**APPLIED/PHYSICAL SCIENCE INDIVIDUAL – ELEMENTARY**

	<b>Title of Investigation</b>	<b>Researcher</b>	<b>Adviser</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
FIRST PLACE	Ashes from Dried Mahogany leaves, Ipil-ipil leaves and Jackfruit mixed with Cement and River Sand as Potential Additive for Hollow Blocks	Zhane Erica C. Barro	Josammy A. Macasil	E-PSI-4	City of Bogo Science and Arts Academy	City of Bogo
SECOND PLACE	Aloe Vera ( <i>Aloe barbadensis miller</i> ) as Carbon Monoxide (CO) Filtering Agent of Motorcycle Exhaust	Niña Christine R. Liquin	Marie Ann M. Trayvilla	E-PSI-1	Bayawan City East CS	Bayawan City
THIRD PLACE	Effectiveness of Kamantigue Stem and Leaves and Aloe Vera Leaves Extract as a Natural Hair Dye	Mark Lawrence B. Caroro	Sally R. Borromeo	E-PSI-8	South City ES	Dumaguete City

**APPLIED/PHYSICAL SCIENCE TEAM – ELEMENTARY**

	<b>Title of Investigation</b>	<b>Researcher</b>	<b>Adviser</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
FIRST PLACE	Cassava ( <i>Manihot esculenta</i> ) Starch as an Alternative Raw Material in Making Bioplastic	Kyene Shane Q. Pelayo Sasha Adrien L. Sabio Ernest Kent B. Faciol II	Sheryl Mae E. Crisostomo	E-PST-5	City of Bogo Science and Arts Academy	City of Bogo
SECOND PLACE	The Comparative Study of Coconut and Lubi Lubi Fiber as Oil Absorbent	Mike C. Navales Shayne B. Pelayo Ivan G. Bonghanoy	Marjorie C. Odchigue	E-PST-10	Langad ES	City of Naga
THIRD PLACE	Fiberboard from Mango Seed Coating as Green Construction Material	Lahja A. Vinarao Cyrille D. Bantaya Justine Cielo G. Ascura	Geraldine T. Coco	E-PST-11	West City Science ES	Dumaguete City

**SECONDARY LEVEL**

**LIFE/BIOLOGICAL SCIENCE INDIVIDUAL – SECONDARY**

	<b>Title of Investigation</b>	<b>Researcher</b>	<b>Adviser</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
FIRST PLACE	Powdered Girdled Horn Snail Shell as an Agent in Enhancing Plankton Population Density and Diversity for Milkfish Culture in Acidic Pond Soil	Vinessa Kathleen Abad	Asteria T. Tutor	S-LSI-13	Tagbilaran City Science HS	Tagbilaran City
SECOND PLACE	Phytochemical Screening of Bioactive Compounds and Antimicrobial Activity of <i>Caulerpa lentillifera</i>	Gwynn D. Cabahug	Jesusa Ramirez	S-LSI-5	San Remigio NHS	Cebu Province
THIRD PLACE	Evaluation of the Hemotologic and Anti-Thrombocytopenic Effects of <i>Carica papaya</i> leaf Extract, <i>Psidium guajava</i> Leaf Extract, and Vitamin C in Thrombocytopenic-Induced ICR Mice	Sanchia Vera Ledesma Rollan	Mary Anne D. Bacalso	S-LSI-4	Cebu City National Science HS	Cebu City

**LIFE/BIOLOGICAL SCIENCE TEAM – SECONDARY**

	Title of Investigation	Researcher	Adviser	Code	School	Division
FIRST PLACE	A Study on the Anti-Angiogenic Potential of Cobra Vine Seed Extract Using the Chorioallantoic Membrane Assay	Nestor Maquiling Jr. Micha A. Bungcasan Caren Nicole Lano	Louie Lyn Cordura	S-LST-16	RTPM-DSHS	Dumaguete City
SECOND PLACE	Molluscicidal Activity of the Aqueous Extract of Allium sativum Bulb Against Invasive Golden Apple Snail Pomacea canaliculata Lam.	Kimberly Palaan Paula Marianne Castano Leandro Peña	Marchee TaboTabo - Picardal	S-LST-4	Don Vicente Rama MNHS	Cebu City
THIRD PLACE	Anti-Angiogenic Property of Oregon Leaf Extract on the Vascular Endothelial Growth of Leghorn Chicken Using CAM Assay	Alys Anthea Carillo Churistian Al Pilapil Cristine Edsa Quirante	Carl Lawrence C. Leray	S-LST-15	Talasy City Science HS	Talisay City

**APPLIED/PHYSICAL SCIENCE INDIVIDUAL – SECONDARY**

	Title of Investigation	Researcher	Adviser	Code	School	Division
FIRST PLACE	Alternative Solar-Powered Water Level Indicator with Alarm System	Richielyn Abadilla	Jane P. Canoy	S-PSI-4	Don Vicente Rama MNHS	Cebu City
SECOND PLACE	Electricity Generation by Oxidizing Sugarcane (Saccharum officinarum) Extract Using Microbial Fuel Cell	Krystyll Ann Villareal	John Ryan Dacalos	S-PSI-7	Naga NHS	City of Naga
THIRD PLACE	Development of a Water-Resistant Bioplastic Made from Cornstarch and Paraffin Wax	Rhea T. Lareno	Maria Trinidad Uy	S-PSI-18	Bais City NSHS	Bais City

**APPLIED/PHYSICAL SCIENCE TEAM – SECONDARY**

	Title of Investigation	Researcher	Adviser	Code	School	Division
FIRST PLACE	STEP Students' and Teachers' Examination Portal	Marc Carlo C. Pocong Katriel Eisha S. Gantalao	Mary Ann Bacalso	S-PST-4	Cebu City NSHS	Cebu City
SECOND PLACE	Effectiveness of Superworm in the Degredation of the Non-Bio Solid Waste	Dhalyn Arriescado Jay Likeca Taboada Kyle Tudtud	Bryant C. Acar	S-PST-10	Lapu-lapu STEC	Lapu-lapu City
THIRD PLACE	"Colorimetric Study: Utilizing Beer-Lambert's Law Using Camera Phone"	Marian P. Ocariz Katrina K. Kinalamay Lady Roisyll Macahig	Eufrates G. Ansok Jr.	S-PST-12	Sison Science HS	Negros Oriental

**ROBOTICS AND INTELLIGENT MACHINES - INDIVIDUAL**

	Title of Investigation	Researcher	Adviser	Code	School	Division
FIRST PLACE	Thrust and Strouhal Number Analysis of an EV3-Operated Carangiform Mechanism for a Prototype Robotic Fish Drone	Adrian G. Maglasang	Irey M. Soon	S-RIMI-2	City of Bogo Science and Arts Academy	City of Bogo
SECOND PLACE	Unmanned Aerial Vehicle Using Arduino Microcontroller As Multisensory Human Detector	John Rey P. Amestoso	Rowena S. Espinosa	S-RIMI-1	Badian NHS	Cebu Province
THIRD PLACE	Arduino-based Fan with LM35 Temperature Sensor and PIR Motion Sensor	Karl Vincent V. Habagat	Louie Lyn Cordura	S-RIMI-6	RTPM-DSHS	Dumaguete City

ROBOTICS AND INTELLIGENT MACHINES - TEAM							
	Title of Investigation	Researcher	Adviser	Code	School	Division	
FIRST PLACE	Arduino-based Air Quality Monitoring Robot	Nico Anthony F. Tejano Kurt Ryan R. Peralta Franz Niño N. Pansoy	Sophia Marie M. Villacencio	S-RIMT-2	Naga NHS	City of Naga	
SECOND PLACE	Project AFFiRo- Autonomous Fire Fighting Robot	Justin Paulo D. Gildo Kathleen Mae A. Lao Emerson G. Manulat	Nenianeth J. Barriga	S-RIMT-3	RMDSF-STECS	Danao City	
THIRD PLACE	Smartphone Controlled Solar Vehicle Using Arduino Microcontroller	Laura Yvonne B. Tan Junry Emanuel Mingo Axel Brylle P. Ynot	Joan Marie Hubahub	S-RIMT-1	Madellin NSTS	Cebu Province	

## ROBOT GAMES

### LINE TRACINGBOT CATEGORY

	Learners	Coach	School	Division
FIRST PLACE	Nathaniel G. Migallos Josh Benedict B. Pansaon	Lea B. Pansaon Gloria M. Villordon	Naga Central School	City of Naga
SECOND PLACE	Rose Angel Ibag Loise Kirsten Ibag	Glenny E. Laping	Punta Engaño HS	Lapu-lapu City
THIRD PLACE	Acamar L. Baltazar Rigel L. Baltazar	Charstren U. Soon	City of Bogo Science and Arts Academy	City of Bogo

### SUMOBOT CATEGORY

	Learners	Coach	School	Division
FIRST PLACE	Neil Ivan R. Matiga Cristine Mae Matugas	Adonis Restie T. Ochia	Elpidio H. Perez MTVHS	Danao City
SECOND PLACE	James Nico Zabala Gabriel M. Luega	Luciano R. Bargaso	Tugas ES San Roque NHS	Bohol
THIRD PLACE	Lanceloy Bustillo Elvira L. Ranoa	Brian C. Acilo	Lance SciTech Academy Jagna HS	Bohol

## SCIENCE QUIZ

### ELEMENTARY

	Learners	Coach	School	Division
FIRST PLACE	Christian Paul Nino Asemista	Riah Mananquil	Saint Louis School Don Bosco Inc.	Dumaguete City
SECOND PLACE	Froy Daniel M. Ogario	Dorin Fay Cadayday	Sta. Catalina Science ES	Negros Oriental
THIRD PLACE	Gian Marco Briones	Ruthanie Delos Reyes	Marigondon ES	Lapu-lapu City

### SECONDARY

	Learners	Coach	School	Division
FIRST PLACE	Jon Kyle Borres	Mary Annabe Los Banes	RTPM-DSHS	Dumaguete City
SECOND PLACE	Nino Rey Manso	Rosalyn Quintañita	Ocaña Central National High School	Carcar City
THIRD PLACE	Angelo Meca	Ligaya Parawan	RMDSF-STECS	Danao City

**SCIENCE INTERVENTION MATERIAL (SIM)**

**ELEMENTARY**

	<b>Title</b>	<b>Teacher</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
FIRST PLACE	Decay??? No Way!!!	Albert E. Sarsuelo	E-SIM-2	Monsale ES	Bayawan City
SECOND PLACE	You Mix Up My Mind	Rosemarie A. Balonga	E-SIM-3	Trinidad Central ES	Bohol
THIRD PLACE	The Animal Kingdom	Marck Kenneth U. Albiso	E-SIM-7	Bogo Central School II	City of Bogo


**SECONDARY**

	<b>Title</b>	<b>Teacher</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
FIRST PLACE	Conservation of Mechanical Energy E-SIM	Alfie R. Urot	S-SIM-4	Binaliw NHS	Cebu City
SECOND PLACE	Cell! Cell! Cell!	Lyn F. Vallejos	S-SIM-9	Tabok NHS	Mandaue City
THIRD PLACE	The Mixture Adventure	Carielyn A. Trupa	S-SIM-7	Camamjan NHS	Dumaguete City

**OVERALL DIVISION AWARDS**

<b>AWARD</b>	<b>SCHOOLS' DIVISION</b>
Champion	Cebu City
2 <sup>nd</sup> Place	City of Bogo
3 <sup>rd</sup> Place	Dumaguete City

2. First place winning schools in all categories (except SIM-Writing) shall receive a Twenty-five Thousand Peso (Php 25,000) Cash Grant for the procurement of science equipment.
3. First place winning researches in the Research Competition (Science Investigatory Project) for the Secondary Level shall be submitted as Regional Entries to the National Science and Technology Fair (NSTF) for further validation, review and deliberation by the National Scientific Review Committee to determine the National Qualifiers. Likewise, first place winners in the Robot Games shall represent the Region to the NSTF.
4. Immediate and wide dissemination of this Memorandum is desired.

  
**JULIET A. JERUTA, Ph.D., CESO V<sub>e</sub>**  
 Director III  
 OIC, Office of the Regional Director



REPUBLIKA NG PILIPINAS  
 REPUBLIC OF THE PHILIPPINES  
**KAGAWARAN NG EDUKASYON**  
 DEPARTMENT OF EDUCATION  
**REHIYON VII, GITNANG VISAYAS**  
**REGION VII, CENTRAL VISAYAS**  
 Sudlon, Lahug, Cebu City



**REGIONAL MEMORANDUM**

No. 0959, s. 2017

DEC 08 2017

**RESULTS OF THE REGIONAL SCIENCE AND TECHNOLOGY FAIR (RSTF)**  
**FOR SY 2017-2018**

To: Schools Division Superintendents

1. This Office announces and congratulates the winners of the recently concluded Regional Science and Technology Fair (RSTF) for School Year 2017-2018 held last November 9-11, 2017 at the DepEd Ecotech Center, Sudlon, Lahug, Cebu City.

**RESEARCH COMPETITION (SCIENCE INVESTIGATORY PROJECT)**

**ELEMENTARY LEVEL**

<b>LIFE/BIOLOGICAL SCIENCE INDIVIDUAL – ELEMENTARY</b>						
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<b>LIFE/BIOLOGICAL SCIENCE TEAM – ELEMENTARY</b>						
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SECOND PLACE	The Potency of <i>Euphorbia hirta</i> Plant Extract Against Gastrointestinal Tract Infection (GIT)	Julianne April Sanchez Clementrich Jan Tahingting Nino MJ Valenzona	Analyn Uy	E-LST-4	Lahug ES	Cebu City
THIRD PLACE	Alagaw ( <i>Premna odorata</i> blanco) Leaves as Meat Tenderizer	Eric Andrie S. Barrera Libbi Djene D. Waro Shamamah Tzytl Lyan Uy	Mercy G. Yagoy	E-LST-9	Amlan Central ES	Negros Oriental

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*“EFA 2015: Karapatan ng Lahat, Pananagutan ng Lahat”*

**APPLIED/PHYSICAL SCIENCE INDIVIDUAL – ELEMENTARY**

	<b>Title of Investigation</b>	<b>Researcher</b>	<b>Adviser</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
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THIRD PLACE	Effectiveness of Kamantigue Stem and Leaves and Aloe Vera Leaves Extract as a Natural Hair Dye	Mark Lawrence B. Caroro	Sally R. Borromeo	E-PSI-8	South City ES	Dumaguete City

**APPLIED/PHYSICAL SCIENCE TEAM – ELEMENTARY**

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FIRST PLACE	Cassava (Manihot esculenta) Starch as an Alternative Raw Material in Making Bioplastic	Kyene Shane Q. Pelayo Sasha Adrien L. Sabio Ernest Kent B. Factol II	Sheryl Mac E. Crisostomo	E-PST-5	City of Bogo Science and Arts Academy	City of Bogo
SECOND PLACE	The Comparative Study of Coconut and Lubi Lubi Fiber as Oil Absorbent	Mike C. Navales Shayne B. Pelayo Ivan G. Bonghanoy	Marjorie C. Odchigue	E-PST-10	Langtad ES	City of Naga
THIRD PLACE	Fiberboard from Mango Seed Coating as Green Construction Material	Lahja A. Vinarao Cyrille D. Bantaya Justine Cielo G. Ascura	Geraldine T. Coco	E-PST-11	West City Science ES	Dumaguete City

**SECONDARY LEVEL**

**LIFE/BIOLOGICAL SCIENCE INDIVIDUAL – SECONDARY**

	<b>Title of Investigation</b>	<b>Researcher</b>	<b>Adviser</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
FIRST PLACE	Powdered Girdled Horn Snail Shell as an Agent in Enhancing Plankton Population Density and Diversity for Milkfish Culture in Acidic Pond Soil	Vinessa Kathleen Abad	Asteria T. Tutor	S-LSI-13	Tagbilaran City Science HS	Tagbilaran City
SECOND PLACE	Phytochemical Screening of Bioactive Compounds and Antimicrobial Activity of Caulerpa lentillifera	Gwynn D. Cabahug	Jesusa Ramirez	S-LSI-5	San Remigio NHS	Cebu Province
THIRD PLACE	Evaluation of the Hemotologic and Anti-Thrombocytopenic Effects of Carica papaya leaf Extract, Psidium guajava Leaf Extract, and Vitamin C in Thrombocytopenic-Induced ICR Mice	Sanchia Vera Ledesma Rollan	Mary Anne D. Bacalso	S-LSI-4	Cebu City National Science HS	Cebu City



<b>LIFE/BIOLOGICAL SCIENCE TEAM – SECONDARY</b>						
	<b>Title of Investigation</b>	<b>Researcher</b>	<b>Adviser</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
FIRST PLACE	A Study on the Anti-Angiogenic Potential of Cobra Vine Seed Extract Using the Chorioallantoic Membrane Assay	Nestor Maquiling Jr. Micha A. Bungcasan Caren Nicole Lano	Louie Lyn Cordura	S-LST-16	RTPM-DSHS	Dumaguete City
SECOND PLACE	Molluscicidal Activity of the Aqueous Extract of Allium sativum Bulb Against Invasive Golden Apple Snail Pomacea canaliculata Lam.	Kinberly Palaan Paula Marianne Castano Leandro Peña	Marchee TaboTabo - Picardal	S-LST-4	Don Vicente Rama MNHS	Cebu City
THIRD PLACE	Anti-Angiogenic Property of Oregano Leaf Extract on the Vascular Endothelial Growth of Leghorn Chicken Using CAM Assay	Alys Anthea Carrillo Christian Al Pilapil Cristine Edsa Quirante	Carl Lawrence C. Leray	S-LST-15	Talalay City Science HS	Talalay City

<b>APPLIED/PHYSICAL SCIENCE INDIVIDUAL – SECONDARY</b>						
	<b>Title of Investigation</b>	<b>Researcher</b>	<b>Adviser</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
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SECOND PLACE	Electricity Generation by Oxidizing Sugarcane (Saccharum officinarum) Extract Using Microbial Fuel Cell	Krystyll Ann Villareal	John Ryan Dacalos	S-PSI-7	Naga NHS	City of Naga
THIRD PLACE	Development of a Water-Resistant Bioplastic Made from Cornstarch and Paraffin Wax	Rhea T. Lareno	Maria Trinidad Uy	S-PSI-18	Bais City NSHS	Bais City

<b>APPLIED/PHYSICAL SCIENCE TEAM – SECONDARY</b>						
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FIRST PLACE	STEP Students' and Teachers' Examination Portal	Marc Carlo C. Pocong Katriel Eisha S. Gantalao	Mary Ann Bacalso	S-PST-4	Cebu City NSHS	Cebu City
SECOND PLACE	Effectiveness of Superworm in the Degradation of the Non-Bio Solid Waste	Dhalyn Arriego Jay Likeca Taboada Kyle Tudud	Bryant C. Acar	S-PST-10	Lapu-Lapu STEC	Lapu-Lapu City
THIRD PLACE	"Colorimetric Study: Utilizing Beer-Lambert's Law Using Camera Phone"	Marian P. Ocariz Katrina K. Kinalamay Lady Roisyll Macahig	Eufrates G. Ansok Jr.	S-PST-12	Siaton Science HS	Negros Oriental

<b>ROBOTICS AND INTELLIGENT MACHINES - INDIVIDUAL</b>						
	<b>Title of Investigation</b>	<b>Researcher</b>	<b>Adviser</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
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SECOND PLACE	Unmanned Aerial Vehicle Using Arduino Microcontroller As Multisensory Human Detector	John Rey P. Amestoso	Rowena S. Espinosa	S-RIMI-1	Badian NHS	Cebu Province
THIRD PLACE	Arduino-based Fan with LM35 Temperature Sensor and PIR Motion Sensor	Karl Vincent V. Habagat	Louie Lyn Cordura	S-RIMI-6	RTPM-DSHS	Dumaguete City

ROBOTICS AND INTELLIGENT MACHINES - TEAM							
	Title of Investigation	Researcher	Adviser	Code	School	Division	
FIRST PLACE	Arduino-based Air Quality Monitoring Robot	Nico Anthony F. Tejano Kurt Ryan R. Peralta Franz Niño N. Pansoy	Sophia Marie M. Villacencio	S-RIMT-2	Naga NHS	City of Naga	
SECOND PLACE	Project AFFiRo- Autonomous Fire Fighting Robot	Justin Paulo D. Gildo Kathleen Mae A. Lao Emerson G. Manulat	Nemianeth J. Barriga	S-RIMT-3	RMDSF-STEAC	Danao City	
THIRD PLACE	Smartphone Controlled Solar Vehicle Using Arduino Microcontroller	Laura Yvonne B. Tan Junry Emanuel Mingo Axel Brylle P. Ynot	Joan Marie Hubahib	S-RIMT-1	Madellin NSTS	Cebu Province	

### ROBOT GAMES

#### LINE TRACINGBOT CATEGORY

	Learners	Coach	School	Division
FIRST PLACE	Nathaniel G. Migallos Josh Benedict B. Pansaon	Lea B. Pansaon Gloria M. Villordon	Naga Central School	City of Naga
SECOND PLACE	Rose Angel Ibag Loise Kirsten Ibag	Glenny E. Laping	Punta Engaño HS	Lapu-lapu City
THIRD PLACE	Acamar L. Baltazar Rigel L. Baltazar	Charstren U. Soon	City of Bogo Science and Arts Academy	City of Bogo

#### SUMOBOT CATEGORY

	Learners	Coach	School	Division
FIRST PLACE	Neil Ivan R. Matiga Cristine Mae Matugas	Adonis Restie T. Ochia	Elpidio H. Perez MTVHS	Danao City
SECOND PLACE	James Nico Zabala Gabriel M. Luega	Luciano R. Bargaso	Tugas ES San Roque NHS	Bohol
THIRD PLACE	Lanceloy Bustillo Elvira L. Ranoa	Brian C. Acilo	Lance SciTech Academy Jagna HS	Bohol

### SCIENCE QUIZ

#### ELEMENTARY

	Learners	Coach	School	Division
FIRST PLACE	Christian Paul Nino Asentista	Riah Mananquil	Saint Louis School Don Bosco Inc.	Dumaguete City
SECOND PLACE	Froy Daniel M. Ogario	Dorin Fay Cadayday	Sta. Catalina Science ES	Negros Oriental
THIRD PLACE	Gian Marco Briones	Ruthanie Delos Reyes	Marigondon ES	Lapu-lapu City

#### SECONDARY

	Learners	Coach	School	Division
FIRST PLACE	Jon Kyle Borres	Mary Annabe Los Banes	RTPM-DSHS	Dumaguete City
SECOND PLACE	Nino Rey Manso	Rosalyn Quintiñita	Ocaña Central National High School	Carcar City
THIRD PLACE	Angelo Meca	Ligaya Parawan	RMDSF-STEAC	Danao City

**SCIENCE INTERVENTION MATERIAL (SIM)**

**ELEMENTARY**

	<b>Title</b>	<b>Teacher</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
FIRST PLACE	Decay??? No Way!!!	Albert E. Sarsuelo	E-SIM-2	Monsale ES	Bayawan City
SECOND PLACE	You Mix Up My Mind	Rosemarie A. Balonga	E-SIM-3	Trinidad Central ES	Bohol
THIRD PLACE	The Animal Kingdom	Marck Kenneth U. Albiso	E-SIM-7	Bogo Central School II	City of Bogo

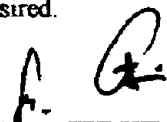
**SECONDARY**

	<b>Title</b>	<b>Teacher</b>	<b>Code</b>	<b>School</b>	<b>Division</b>
FIRST PLACE	Conservation of Mechanical Energy E-SIM	Alfie R. Urot	S-SIM-4	Binaliw NHS	Cebu City
SECOND PLACE	Cell! Cell! Cell!	Lyn F. Vallejos	S-SIM-9	Tabok NHS	Mandaue City
THIRD PLACE	The Mixture Adventure	Carielyn A. Trupa	S-SIM-7	Camanjac NHS	Dumaguete City

**OVERALL DIVISION AWARDS**

<b>AWARD</b>	<b>SCHOOLS' DIVISION</b>
Champion	Cebu City
2 <sup>nd</sup> Place	City of Bogo
3 <sup>rd</sup> Place	Dumaguete City

2. First place winning schools in all categories (except SIM-Writing) shall receive a Twenty-five Thousand Peso (Php 25,000) Cash Grant for the procurement of science equipment.
3. First place winning researches in the Research Competition (Science Investigatory Project) for the Secondary Level shall be submitted as Regional Entries to the National Science and Technology Fair (NSTF) for further validation, review and deliberation by the National Scientific Review Committee to determine the National Qualifiers. Likewise, first place winners in the Robot Games shall represent the Region to the NSTF.
4. Immediate and wide dissemination of this Memorandum is desired.

  
**JULIETA A. JERUTA, Ph.D., CESO V**  
 Director III  
 OIC, Office of the Regional Director