



Republic of the Philippines
DEPARTMENT OF EDUCATION
CORDILLERA ADMINISTRATIVE REGION
Wangal, La Trinidad, Benguet



REGIONAL MEMORANDUM

NO. 247 . _____, S 2015

To : **Schools Division Superintendents**
All Divisions
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From : **ELLEN B. DONATO, ED. D., CESO III**
Director IV

RELEASED
DEC 14 2015
DEPED-CAR Time: 2:15 PM

Subject : **RESULTS OF THE 2015 REGIONAL SCIENCE AND MATH FESTIVAL**

1. This is to announce the results of the 2015 Regional Science and Math Festival held at Baguio City High School, Baguio City, November 26-27, 2015 with the theme: ***"Environmental Protection and Conservation of the Ecosystem."***
2. The festival was participated in by 1,075 participants from the eight (8) schools division offices in CAR which aims to promote Science and Technology and Math consciousness among the youth and to identify the creative/innovative and best Science and Technology researchers to represent the Region in the National Science and Technology Fair on February 8-12, 2015 at a venue to be announced later.
3. The over all winners are as follows:

Division	Science	Rank	Math	Rank	Over All Total Points	OVER ALL RANK
Baguio	234	1	176.83	1	410.83	Champion
Benguet	214.5	2	153.66	2	368.16	1 st Runner Up
Tabuk	120.5	3	84.83	3	205.33	2 nd Runner Up
Apayao	120	4	64.83	4	184.83	3 rd Runner Up
Abra	111.5	5	50	7	161.5	4 th Runner Up
Ifugao	91.5	6	62.5	5	154	5 th Runner Up
Mt. Province	86	7	59	6	145	6 th Runner Up
Kalinga	45.5	8	40.33	8	85.83	7 th Runner Up

4. Details of the event winners are found in the attached Enclosure 1 of 6 pages.

This office ***Congratulates*** all the participants especially the winners.

2015 Regional Mathematics and Science Festival Individual and Team Winners**A. SCIENCE**

Elementary Individual Investigatory Project Competition

Rank	Proponent	Coach/es	Division	Title of Project
1st	Ralph Patrick B. Rigates	Jozen B. Figuracion	Apayao	Production of Board Chalk from Indigenous Materials
2nd	Kiara V. Kindipan	Jenny S. Feliciano	Baguio City	Comparative Analysis of the Nutritional Content of Orange and Yellow Yolk Eggs Produced by Local Poultry Raisers in Baguio - Benguet Area
3rd	Micah Waguiyon	Jocelyn Coldeg	Baguio City	Aquaponics Media and Its Effect on Lettuce and Tilapia

Elementary Team Investigatory Project Competition

Rank	Proponent	Coach/es	Division	Title of Project
1st	Vida A. Rosal; Red Courtney T. Buenafe; Junard L. Besitan	Petra D. Kis-ing; Jessie Elizabeth T. Buenafe	Benguet	Ear Leaves of Corn (<i>Zea diploperennis</i>) Indigenous Source of Fibers for Quality by-product
2nd	Erayesha Abegaille Butic; JB Kaye Crystal T. Buyawe; Kurt CJ Codamon	Sharon B. Buhong	Ifugao	Math Dart Game
3rd	Gremalyn P. Oliviano; Lance Abyron K. Santiago; Verna A. Nalliw	Rossiebille C. Galban	Tabuk City	The Efficacy of Pandan (<i>Pandanus A.</i>) and Oregano (<i>Coleus A.I.</i>) Gel as a Mosquito Repellant

Life Science Individual Investigatory Project Competition

Rank	Proponent	Coach/es	Division	Title of Project
1st	Juliet C. Calantas	Crisanta P. Pantaleon; Mary Ann P. Malipe	Benguet	Guava Leaves Decoction Inhibiting the Growth of Molds
2nd	Sheena Bennise V. De Jesus	Fely Aquino	Abra	Therapeutic Ability of Kamantiris Seed Extract in Allokkan-Induced Rats
3rd	Audrey Jessica B. Viado	Crista B. Viado	Abra	Hypoglycemic Abilities of Eel Grass in Mesoxylurea Induced Diabetic Rats

Life Science Team Investigatory Project Competition

Rank	Proponent	Coach/es	Division	Title of Project
1st	Ybrille Jane C. Allindayo; Yessamin T. Guadiz	Efren Matthew C. De Peralta	Baguio City	Antioxidant Potential of <i>Selliguea taeniata</i> (Pateteg) and <i>Elaeagnus philippinensis</i> (Benel api) Leaves Extract
2nd	Dana Shantel C. Dacquial; Rhouss Jane M. Gaban; Alena Nathania S. Aludino	John Michael A. Guerzon	Baguio City	Antibacterial Property of Banana Leaf Sheath (<i>Musa acuminata</i>) Ethanolic Extract on <i>Staphylococcus aureus</i> and <i>Escherichia coli</i>
3rd	Clark A. Amayna; Randy Lance Cumilang; Jordan G. Galap	Elma Lyne Labio	Ifugao	Performance of Fermented Buri Palm (<i>Corypha elata</i>) Trunk Juice as Inhibitor against <i>Pectobacterium caratovororum</i> and as Edible Coating for Tomatoes (<i>Solanum lycopersicum</i>)

Physical Science Individual Investigatory Project Competition

Rank	Proponent	Coach/es	Division	Title of Project
1st	Jasper Amiel Alangdeo	Rose Kayee Pecay	CRSHS	Fabrication and Evaluation of DC-APB
2nd	Jericho G. Villarico	Jennifer L. Sibal	Baguio City	Auto - call Doorknob
3rd	Fredo G. Saliw-an	Crisanta P. Pantaleon	Benguet	Manual Cellphone Charger

Physical Science Team Investigatory Project Competition

Rank	Proponent	Coach/es	Division	Title of Project
1st	Jake Lester B. Naboye; Shaina Rose P. Binwag; Ian Greg A. Rufino	Patricia A. Caput	Benguet	The A2 of a Cellular Phone as Remote Control Device to a Light Bulb and Household Appliances
2nd	Mark Angelo T. Palpal; Ashley Mae T. Dulnuan; Zhea G. Galones	Daryll C. Magalalit	Baguio City	Power on Delay and Low Voltage Protector Box for Appliances
3rd	Mailyne Kim Bumughawi; Veronica Velasco; Rizalyn Agpawan	Ma.Fe Bumughawi; Benifreda Fernandez	Benguet	Utilization of Feather Fibers in the Production of Eco Pots

Elementary Quiz Competition

Level	Rank	Name	Coach	Division
Grade 3	1st	Reigna Nicole Cenu	Jennifer D. Allag	Apayao
	2nd	Jeremie Craig Y. Licupa	Gisselle B. Bulattao	Baguio City
	3rd	Jian Carl C. Bongalon	Evelyn C. Bongalon	Tabuk City

Elementary Quiz Competition (continuation)

Level	Rank	Name	Coach	Division
Grade 4	1st	Rizza Mae A. Simisim	Estrella A. Galos	Apayao
	2nd	Anneah Margarette S. Daligdig	Cresencia B. Caplas	Baguio City
	3rd	Laarni Joy B. Buyagan	Lourdes P. Edpis	Mt. Province
Grade 5	1st	Marifranz Leonorbie C. Agustin	Ginia D. Fadchal	Mt. Province
	2nd	Hyeon Wo S. Jo	Jovelyn S. Duque	Baguio City
	3rd	Christian Paul V. Menor	Karen May T. Trumpo	Apayao
Grade 6	1st	Jermaine Olive Q. Jimenez	Claydee O. Acong	Baguio City
	2nd	Yvez Vyanka V. Castillo	Evelyn V. Sarmiento	Apayao
	3rd	Rizza Mae R. Lim	Evalisa W. Abance	Benguet

Secondary Quiz Competition

Level	Rank	Name	Coach	Division
Grade 7	1st	Kate Ashley T. De Guzman	Sharon Lyn Sindayen	Baguio City
	2nd	Moira Bettina Bolante	Ma. Agnes Faye Bringas	Abra
	3rd	Harlan B. Magoli	Karen Caluducan	Apayao
Grade 8	1st	Israel A. Portugal	June Gawigawen	Tabuk City
	2nd	Sherwin Ysrael Santos	Janey Yaos	Baguio City
	3rd	Rosleen Keith Padua	Mercuria Menor	Apayao

Secondary Quiz Competition (continuation)

Level	Rank	Name	Coach	Division
Grade 9	1st	Ryan Christian C. Morales	Rose Melody Flores	Baguio City
	2nd	Grelyn A. Bulayo	Santa B. Atinan	Benguet
	3rd	Mica A. Gamongan	Jovy Gunnawa	Tabuk City
Grade 10	1st	Jenalene Barril	Agripina K. Pangayan	Benguet
	2nd	Duane Ashley B. Loque	Petronilla Buslig	Tabuk City
	3rd	Zea Mae D. Pascual	Judith Castillano	Kalinga

Strategic Intervention Material-Elementary

	Rank	Name	Division	Title of Project
Grade 3	1st	Mary Ann S. Pacio	Benguet	Solid, Liquid or Gas
	2nd	Carmela B. Adong	Tabuk City	Animal's Differences
	3rd	Ederlina S. Laureta	Apayao	A Trip in the Plant Kingdom
Grade 4	1st	Cheryl S. Madume	Baguio City	Pinoy-Henyoy, The Brain
	2nd	Caroline Na-ag	Benguet	Common Problems Related to Digestion
	3rd	Divina P. Guillermo	Apayao	Identify Parts of the Brain
Grade 5	1st	Cheryl S. Madume	Baguio City	Plant Adaptation
	2nd	Jennifer L. Balinggan	Benguet	The Vertebrates
	3rd	Amadao B. Danao	Tabuk City	Female Reproductive System
Grade 6	1st	Ide Liwanen	Baguio City	Give and Take
	2nd	Marivic B. Regalado	Abra	The Nervous System
	3rd	Nerissa E. Antolin	Tabuk City	CACS: Adventure

Strategic Intervention Material-Secondary

	Rank	Name	Division	Title of Project
Grade 7	1st	Sherwin B. Zapatero	Abra	Wave
	2nd	Rhea L. Mangaling	Abra	The Plant and Animal Cell
	3rd	Patricia A. Caput	Benguet	Levels of Biological Organization in Digestive System
Grade 8	1st	Susan A. Mina	Abra	Three Laws of Motion "Love Moves in Mysterious Ways"
	2nd	Liwliwa Chinaman	Ifugao	Mechanical Energy
	3rd	Hector S. Lopez	Abra	Second Laws of Motion
Grade 9	1st	Jane I. Butale	Ifugao	Computing the Cost of Electric Energy Consumption
	2nd	Rosalie S. Anhibey	Benguet	Photosynthesis and Respiration
	3rd	Sheila G. Garlejo	Baguio City	Balancing Chemical Equations
Grade 10	1st	Nelia L. Depaynos	Benguet	Magnets
	2nd	Evelyn R. Nocelo	Baguio City	Sound
	3rd	Rheybe Agbilay	Abra	Layers of the Earth

Sci-Dama

	Rank	Name	Coach	Division
Water Patrol Competition	1st	Shannah Mae Pulas	Marlene Naboye	Benguet
	2nd	Amanoden Ali	Hilardo Puchedon	Baguio City
	3rd	Shane Perto	Melany Buned	Mt. Province
Power Patrol Competition	1st	Art Brook Ananayo	Kezia Lynne Pulquiso	Benguet
	2nd	Mark Nathaniel Mayanggao	Eunice Saliw-an	Baguio City
	3rd	John Luke Maleck	Jose Hangdaan Jr.	Ifugao
Electro-Sci Dama Competition (Grade 7)	1st	Ishi Carbonilla	Delfin L. Chawan	Benguet
	2nd	Roderick Chacwag	Grace G. Cawilan	Tabuk City
	3rd	Jasper D. Asmin	Terry T. Rullan	Baguio City

Sci-Notation Dama Competition (Grade 8)	1st	Lemuel Bautista	Imelda Bautista	Apayao
	2nd	Nicasio III Sumarita	Jocelyn Vargas	Tabuk City
	3rd	Carlito Pooten	Freda Mad-eo	Mt. Province
THI-Sci Dama Competition (Grade 9)	1st	Carlos Pasiwat	Marina Tabua	Kalinga
	2nd	Kim Jacob Hommoc	Mary Grace Juan	Ifugao
	3rd	John Paul Jauod	Pauline Punasen	Baguio City
Thermo-Sci Dama Competition (Grade 10)	1st	Justin Jade B. Castillo	Junjun Pescador	Abra
	2nd	Jessa D. Magalgalit	Pepito Dacaymat	Baguio City
	3rd	Jade B. Sawate	Darah Doqueg	Mt. Province

B. MATHEMATICS

Damath Elementary

	Rank	Participant	Coach	Division
Whole Number Damath	1st	Brigette D. Ventura	Mae Zarate	Benguet
	2nd	Rodel Padawil		Mt. Province
	3rd	Aico Tacio	Elena L. Langdew	Ifugao
Positive Fraction Damath	1st	Kevin T. Patras	Dennis T. Sagyaman	Apayao
	2nd	Rex Vizay B. Pitpitunge	Napoleon D. Hangdaan	Ifugao
	3rd	Jamhel L. Ramos	Richard Parrocha	Baguio City

Damath Secondary

	Rank	Participant	Coach	Division
Integer Damath	1st	Fabian Baydan	Donnie Ray Cruz	Apayao
	2nd	Jess Naulhan	Veronica Ayupan	Ifugao
	3rd	Jeremy Gamongan	Elizalde Blaza	Tabuk City
Signed Fraction Damath	1st	Christian Dapyawen	Gabriel Balangway	Benguet
	2nd	Jan Andrey Bisares	Eleonora Valentino	Abra
	3rd	Vember Padaco	Leonila Aswigui	Baguio City
Radical Damath	1st	Albert Banatao	Myleen Podes	Ifugao
	2nd	Pepito Bulawan	Greggy Tayao	Benguet
	3rd	Jomar Lewis	Regie Lumang	Mt. Province
Polynomial Damath	1st	Nathaniel Garma	Marissa D. Noble	Apayao
	2nd	Nache Aaron Vincent Manaoat	Jocelyn Tango	Baguio City
	3rd	Cleo Maximo Fatog	Felicisimo A. Felix	Tabuk City

Elementary Math Quiz Competition-Individual

Rank	Participant	Coach	Division
1st	Renson D. Calma	Lorenza W. Tongnawa	Tabuk City
2nd	Rsean Patrick N. Gueco	Melanie Quizon	Baguio City
3rd	Davy Ashley L. Danglose	Benia T. Cambod	Mt. Province

Elementary Math Quiz Competition-Team

Rank	Participant	Coach	Division
1st	Isaac S. Ronquillo & Kento Komazaki	Kathy Papcio	Baguio City
2nd	Richzl Lou L. Contis & Carina Jane A. Chulsi	Liezl Contis	Tabuk City
3rd	Trygg Garret V. Lee & Satsuki P. Nomura	Jerry Cabannag	Benguet

Secondary Math Quiz Competition-Individual

Rank	Participant	Coach	Division
1st	Therese Tan	Joseph Jermaine B. Jamisola	Baguio City
2nd	Pergus Pisces Agbayani	Myrna A. Vicente	Ifugao
3rd	Angelika Bacudo	Judy C. Abbacan	Tabuk City

Secondary Math Quiz Competition-Team

Rank	Participant	Coach	Division
1st	Jayzer Mariano & Karl Marx Dumayas	Marissa D. Noble	Apayao
2nd	King Joshua D. Arzadon & Jan Onin M. Matinez		Baguio City
3rd	Lyndel Alnasan & Noellen Lao-e		Mt. Province

Mathematics Action Research Elementary

Rank	Proponent	Title	Division
1st	Rubielyn T. Garcia	Improving the Problem Solving Skills of Grade II Pupils at San Luis Elementary School using the Four Corners and a Diamond Graphic Organizer	Baguio City
2nd	Remedios A. Buslay	The Effectiveness of Academic Games in the Improvement of the Performance of Pupils in Mathematics VI of Pontino Elementary School	Benguet
3rd	Helen D. Buyagan	The Use of Mathematics Tree as Intervention in Teaching Mathematics V	Mt. Province

Mathematics Action Research Secondary

Rank	Proponent	Title	Division
1st	Eleonora A. Valentino	The Effect of Learning Logs on the Mastery Level of Grade VIII Students of Suyo NHS in Statistics	Abra
2nd	Anisia L. Awas	Improving the Achievement Level of Students in Mathematics in using Activity Sheets Done through Cooperative Learning	Benguet
3rd	Lilybeth B. Balutoc	Strategic Intervention Materials and Fundamentals Operation Skills of Fourth Year High School Students of Baguio City NHS	Baguio City

Elementary SIM

Rank	Proponent	Title	Division
1st	Everett Gilbert M. Dionio	Writing Numbers in Scientific Notation	Abra
2nd	Rogelyn P. Chalanag	Number Patterns	Ifugao
3rd	Lorna V. Wallit	Multiplying Mixed Decimals by Mixed Decimals with Hundredths	Benguet

Secondary SIM

Rank	Proponent	Title	Division
1st	Sarah S. Dino	Subtraction of Integer	Benguet
2nd	Olivia P. Tello	Special Products	Benguet
3rd	Jocelyn Q. Gam-ad	What is the Polynomial Function	Baguio City

Math Investigation C1-Individual

Rank	Proponent	Coach/es	Title	Division
1st	King Joshua D. Arzadon	Prudencio W. Esteban	Octahedron in a Cube (Dual Polyhedron)	Baguio City
2nd	Geraldine Perez	Beverly T. Wanawan	Quadrilaterals in a Rhombus	Baguio City
3rd	Eva Grace Anno	Jason M. Habbiling	Circle Packing	Baguio City

Math Investigation C1-Team

Rank	Proponent	Coach/es	Title	Division
1st	Harvey Sapigao Sarah Cabilangan	Renante Ragos	Extending Polygons	Baguio City
2nd	John Victor Tawanna Steven Francisco	Beverly Wanawan	Area of Triangles Formed by Inscribed Squares in a Square	Baguio City
3rd	Kay Angely I. Pis-oy Jeff Ebanio Alpha Joy Martin	Jim de Vera Alberto	Ripple of Regular Polygons	Benguet

Math Investigation C2-Individual

Rank	Proponent	Coach/es	Title	Division
1st	David Avery T. PEkas	Heather G. Banagui	The Number of rxq Grid in an $m \times n$ Grid of Squares at k Layers	Benguet
2nd	Lumnay Grace M. Guillermo	Tricia D. Awal	Total Number of Petals Formed from the Intersection of a Surrounding Circles in k Layers	Benguet
3rd	Noepe T. Baldo	Heather G. Banagui	Area of the k th Inscribed and l th Circumscribed Circle I a Regular n -Gon	Benguet

Math Investigation C2-Team

Rank	Proponent	Coach/es	Title	Division
1st	Karylle Gwynn Apalla Kyla Gayle Morales	Heather Banagui	Radius of the Circle Inscribed and Circumscribed in a Regular n -gon Formed Continuously by Connecting the Midpoints of the Previous n -gon	Benguet
2nd	Jinky Gaayon Mica Gamonga Richene Moron	Limson Dumogo	Area of an N -pointed Star	Tabuk City
3rd	Felicia Marie Advincula Angela Mae Del Rosario	Melchor Ticag	N -Pointed Glyph	Baguio City