



Republic of the Philippines
Department of Education
Cordillera Administrative Region

DIVISION OF BAGUIO CITY

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DEPED DIVISION OF
BAGUIO CITY
NOV 09 2015
RELEASED


November 6, 2015

DIVISION MEMORANDUM

No. 216 s. 2015

TO : Public School District Supervisors
School Administrators, Principals, Head Teachers
Elementary and Secondary Math and Science Teachers
(Public and Private)

1. This is to inform the field that the Regional Science and Math Festival will be on November 25-28, 2015 at the Baguio City High School, Baguio City with the theme : " Environmental Protection and Conservation of the Ecosystem". The guidelines can be downloaded in our website, www.depedpines.com, Regional memorandum No. 191.2015.
2. Relative to this activity, there will be a meeting of all coaches, teacher participants and officials on November 12, 2015, 3:00 PM at the Division Office Conference Hall.
3. For Science , the results of the Division Science Festival was uploaded in our website.
4. wide and immediate dissemination of this memorandum to all concerned is desired.


FRANCIS CESAR B. BRINGAS, CESO VI
Schools Division Superintendent

Republic of the Philippines
Department of Education
Cordillera Administrative Region
Division of Baguio City

Results of the Division Science Festival 2015

October 9 - 10, 2015

SCIENCE QUIZ

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Date 11/09/2015

Grade THREE

Rank	Name of Contestant	School	Coach	Principal
1	JENNIFER ANIG Y. LICUPA	Educare Learning C.	Giselle B. Bulahao	May May M. Mallare
2	Yna Ayessa B. Catalig	Elpidio Quirino E. S.	Angeline B. Quezon	Rossie Beel A. Marzo
3	Ryzaline T. Oakipac	Lucban Elementary S.	April M. Eslay	Joseph A. Estigoy
4	Lhianna Dawn C. Nartales	Univ. of Cordilleras	Lorenza R. Fernandez	Gladys S. Sibayan
5	Victoria Ordoná	Academia de Sophia	Carolina F. Tranqueña	Jennifer Cortez

Grade FOUR

Rank	Name of Contestant	School	Coach	Principal
1	Anneah Margarette S. Daliglig	Bakakeng Elementary S.	Cresencia B. Caplas	Estrella B. Bulay
2	Jakob Francis Reimund M. Balonggay	SPED Center.	Sheryline L. Bustarga	Niño M. Tibangay
3	Joy C. Sabo	Elpidio Quirino E. S.	Betty L. Lingbanan	Rossie Beel A. Marzo
4	Jaydee Christel D. Estillore	Aguinaldo E. S.	Eloisa Grace R. Acodesin	Betty A. Adiwag
5	Yrish Joy P. Bangui	Loakan Elementary S.	Josephine Lata	Cynthia Vitagan

Grade FIVE

Rank	Name of Contestant	School	Coach	Principal
1	Hyeon Woo S. Jo	Educare Learning C.	Jovelyn M. Duque	May May M. Mallare
2	Zipporah L. Cangoy	Elpidio Quirino E. S.	Jennilyn A. Lagyot	Rossie Beel A. Marzo
3	Jovany B. Chason	San Carlos Heights E. S.	Eunice D. Olowan	Rufina A. Suanding
4	Camille Joy S. Peta	Rizal Elementary S.	Janet L. Yodong	Jackson T. Caya-os
	Jhust Zion P. Balag-ey	Josefa Cariño E. S.	John Dee V. Cayso	Proserpina M. Estacio

Grade SIX

Rank	Name of Contestant	School	Coach	Principal
1	Jermaine Olive Q. Jimenez	A. Mabini E. S.	Claydee O. Acong	Castro P. Canuto
2	Margareth L. Jacinto	Educare Learning C.	Walter S. Crisostomo	May May M. Mallare
3	Maria Cecilia C. Soriano	Rizal Elementary S.	Junar Diguel	Jackson Caya-os
4	Jay Michael Palomares	Easter College	Ide A. Iwanen	Cleofe P. Kollin
5	Don Daryll S. Dela Concha	A. Bonifacio E. S.	Estrella V. Estolero	Margie C. Estoesta

Grade SEVEN

Rank	Name of Contestant	School	Coach	Principal
1	Kate Asley de Guzman	Baguio City NHS	Sharon Lyn Sindayen	Romulo Flora
2	Renee Rio Picpican	Baguio City NHS	Sharon Lyn Sindayen	Romulo Flora
3	Alekin Marcus Mallari	Baguio City NHS	Sharon Lyn Sindayen	Romulo Flora
4	Alyana Gabrielle Natividad	Baguio City NHS	Sharon Lyn Sindayen	Romulo Flora
5	John Raymund Labsan	Pines City NHS	Andrew Bangcado	Leticia Sab-it

Grade EIGHT

Rank	Name of Contestant	School	Coach	Principal
1	Sherwyn Ysrael M. Santos	Baguio City NHS	Janey K. Yaos	Romulo M. Flora
2	Jericho G. Villarico	Baguio City NHS	Janey K. Yaos	Romulo M. Flora
3	Christrian A. Cabero	Baguio City NHS	Hannah F. Rapadas	Romulo M. Flora
4	Kenneth Polido	Doña Aurora NHS	Mary Grace A. Gare	Erwin Robert D. Allaga
5	Ron-tinney S. Cayabas	Baguio City NHS	Hannah F. Rapadas	Romulo M. Flora

Grade NINE

Rank	Name of Contestant	School	Coach	Principal
1	Ryan C. Morales	Baguio City NHS	Rose Melody Flores	Romulo Flora
2	Ivie Luizsa Joyce R. Azor	Baguio City NHS	Rose Melody Flores	Romulo Flora
3	Carolyn C. Garay	Magsaysay NHS	Maylody Baguitan	Irene Chaangan
4	Josef Florendo	Baguio City NHS	Rose Melody Flores	Romulo Flora
5	Donna Mae Sarmiento	Pines City NHS	Grace L. Santos	Leticia Sab-it

Grade TEN

Rank	Name of Contestant	School	Coach	Principal
1	Mary Raphael Mabutas	Baguio City NHS	Grace T. Daus	Romulo M. Flora
2	Abelle Wawey	Doña Aurora NHS	Julio K. Canipas	Erwin Robert Aliaga
3	Melchor Pimentel	Baguio City NHS	Grace T. Daus	Romulo M. Flora
4	Errol Oredina	Baguio City NHS	Grace T. Daus	Romulo M. Flora
5	King Arzadon	Baguio City NHS	Raquelyn B. Arceo	Romulo M. Flora

SCI-DAMA**Water Patrol**

Rank	Name of Contestant	School	Coach	Principal
1	Amanden S. Ali	Pacday Quiño E. S.	Hilda A. Pucdihon	Remidios P. Quiño
2	Adrian Paul Yadao	University of Baguio	Jenny S. Feliciano	Mary Jane L. Wayong
3	Grevonliston K. Bustos	Alfonso Tabora E. S.	Gloria A. Catiyan	Hermoso P. Bunnol
4	Galib Daniel A. Esnara	Doña Aurora H. Bueno ES	Brenda F. Quilladas	Augusto L. Gayo
5	Jerico S. Jose	A. Tabora Elementary S.	Gloria A. Catiyan	Hermoso P. Bunnol

Power Patrol

Rank	Name of Contestant	School	Coach	Principal
1	Mark Nathaniel Mayanggao	Jose P. Laurel E. S.	Eunico M. Saliw-an	Sosimo B. Leal
2	Blaire D. Dumar	Pacday Quiño E. S.	Regina P. Boreta	Remidios P. Quiño
3	Razer Kyle A. Padio-an	Sto. Tomas E. S.	Rebecca Amlag	Valeriano B. Accad
4	Nico Paulo A. Andaya	Ramon Magsaysay E. S.	Julie B. Estoro	Luz F. Soriano
5	Jimson Guyagoy	Elpidio Quirino E. S.	Ligaya K. Awakan	Rossie Beel A. Marzo

Grade SEVEN

Rank	Name of Contestant	School	Coach	Principal
1	Jasper D. Asmin	Joaquin Smith NHS	Terry T. Rullan	Rosanna D. Dizon
2	Ryan Xander M. Jularbal	Baguio City NHS	Brenda S. Caya-os	Romulo . Flora
3	Jethran Q. Tomoa	Joaquin Smith NHS	Terry T. Rullan	Rosianna D. Dizon
4	Leonardo D. Villanueva Jr.	Mil-an NHS	Julie Ann Siong	Edward Vicente
5	Howard Lloyd C. Giacao	Baguio City NHS	Brenda S. Caya-os	Romulo . Flora

Grade EIGHT

Rank	Name of Contestant	School	Coach	Principal
1	Ravena M. Murillo	Pines City NHS	Jovy Rose A. Abuda	Leticia I. Sab-it
2	Danica S. Alsola	Pines City NHS	Candice R. Pawid	Leticia I. Sab-it
3	Jun D. Malateo	Pinget NHS	Edenne Sherwin	Ma. Lourdes Dumpayan
4	Cleanard S. Hidalgo	Baguio City NHS	Loida Mangangay	Romulo M. Flora
5	Carlos Antonio S. Ibulan	Quezon Hill NHS	Emilio P. Vinoya	Joan D. Andayan

Grade NINE

Rank	Name of Contestant	School	Coach	Principal
1	John Paul M. Jauod	Mil-an NHS	Pauline S. Punasen	Edward C. Vicente
2	Lawrence Corcuera	Pines City NHS	Grace L. Santos	Leticia Sab-it
3	Edwin Maglaque	Baguio City NHS	Alan O. Litaoen	Romulo Flora
4	Mauengba P. Olosan	Irisan NHS	Joyce Y. Bondad	Whitney Dawayen
5	John Rey Duselen	Roxas NHS	Thomas M. Milanes	Lillian Pagulungan

Grade TEN

Rank	Name of Contestant	School	Coach	Principal
1	Jessa D. Magalalit	Baguio City NHS	Grace T. Daus	Romulo M. Flora
2	Bojo Ray Riogelon	Joaquin Smith NHS	Dindo Umandam	Rosanna Dizon
3	Jonathan Blas	Magsaysay NHS	Imee Kate M. Datoc	Irene Chaangan
4	Jordan A. Tonang	San Vicente NHS	Millet Laurence	Lucia T. Casim
5	John Carlo Q. Alasco	Quezon Hill NHS	Melanie F. Bumacas	Joan D. Andayan

Strategic Intervention Materials

Grade THREE

Rank	Name of Contestant	School	Principal
1	Jocelyn C. Coldeg	Lindawan E. S.	Maribeth A. Cuaresma
2	Michelle Buclao	Pinget E. S.	Helen C. Acop

Grade FOUR

Rank	Name of Contestant	School	Principal
1	Cherry S. Madume	San Carlos E. S.	Rufina A. Suanding
2	Greg D. Parrocha	A. Mabini E. S.	Castro P. Canuto

Grade FIVE

Rank	Name of Contestant	School	Principal
1	Cherry S. Madume	San Carlos Heights E. S.	Rufina A. Suanding
2	Ide A. Liwanen	Easter College	Cleofe P. Kollin
3	Jayson Sudicalan	SPED Center	Niño M. Tibangay

Grade SIX

Rank	Name of Contestant	School	Principal
1	Ide A. Liwanen	Easter College	Cleofe P. Kollin
2	Eva Jackie Lou S. Lackias	Bag. Country Club V. E.S.	Jaennette T. Lacana

Grade SEVEN

Rank	Name of Contestant	School	Principal
1	Francisco Andaquig	Baguio NHS	Romulo M. Flora
2	Manuela J. Cayabyab	Pinsao NHS	Jesusa R. Yadao
3	Florencia C. Nefalar	Magsaysay NHS	Irene E. Chaangan
4	Juliet Ilustre-Herueria	Baguio City NHS	Romulo M. Flora
5	Juna S. Dawaton	Irisan NHS	Whitney Dawayen

Grade EIGHT

Rank	Name of Contestant	School	Principal
1	Janet T. Gawidan	Guisad Valley NHS	Brenda M. Cariño
2	Marlyn M. Amistad	Baguio City NHS	Romulo M. Flora

Grade NINE

Rank	Name of Contestant	School	Principal
1	Sheilac G. Garlejo	Baguio City NHS	Romulo M. Flora
2	Rose Melody M. Flores	Baguio City NHS	Romulo M. Flora
3	Lilia G. Mayapit	Pinsao NHS	Jesusa R. Yadao

Grade TEN

Rank	Name of Contestant	School	Principal
1	Evelyn R. Nocelo	Baguio City NHS	Romulo M. Flora

Results of the Division Science Festival 2015
October 9 - 10, 2015

Science Investigatory Projects (Elementary)

Category: Individual

Rank	Project Title	Proponent	School	Coach	Principal
1	Efficacy of Seed Clay Gardening	Ezekiel D. Navaro	Kias Elementry School	Princes M. Perez	Marilyn B. Dailay
2	A Comparative Analysis of the Nutritional Content of Orange YolkEggs and Yellow Yolk Eggs Produced by Local Poultry Raisers in the Baguio-Benguet Area	Kiara V. Kindipan	University of Baguoi Lab Elementary School	Jenny S. Feliciano	Mary Jane Wayang
3	Differences in Brain Activity when Plating Minecraft compared to Reading	Hana Kishi Generao	Baguio Achievers Academy	Gloria Esperanza	Linda Ordoña
4	Aquaponics method as a Plant Nutrient to Lettuce Variety	Micah Waguiyon	Lindawan Elementary School	Jocelyn C. Coldeg	Maribeth Cuaresma
5	Pesticide-Free Mosquito Trap	Shirlyn Denise B. Jimenez	Aguinaldo Elementary School	Erlinda K. Guzman	Betty Adiwang
6	Using Vinegar and Baking Soda as Home-made Fire Extinguisher	Mary Esperanza D. Daciat	Doña Aurora Elementary School	Geraldine Domagas	Marie D. Sillatoc
7	Evaluation od the cytotoxicity of Makabuhay(Tinosphora Rampheii) vine Extract with Allium Test	Bherl-Lian O. Gumarang	Easter College	Ide A. Liwanen	Cleofe P. Kollin
8	Corn Husk as source of paper	Jasmin Aerin T. Sagario	University of the Cordilleras	Lorenza Fernandez	Gladys Sibayan
9	Pandan leaves(Pandanus Amaryllifolius as component for Multi-purpose Organic Polish with Insect Repellent	Phiel Adrian Gabriel B. Chelim	Easter College	Ide A. Liwanen	Cleofe P. Kollin
10	Panel Board Made of Recycled Styrofoam	Chardonnay Uy	Baguio City Science Foundation		

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Category: Team

Rank	Project Title	Proponents	School	Coach	Principal
1	The Effect of Magnetic Soil on the Germination of the Chinese Cabbage(Brassica Rapa L.) and Lettuce (Lactuca Sativa)	Lord Francis Raphael G. Gonzales Althea Agoon W. Guesaed Redford Luther P. Padlan	Easter College	Ide A. Liwanen	Cleofe P. Kollin
2	Improvised E-Raft 2015 (Emergency Response amphibious Form of transport)	Hannah Sophia Espiritu Julia Joson Chairiel Mohamad	Baguio Achievers Academy	Gloria Esperanza	Linda C. Ordoña
3	Efficacy of Benguet Lichen as Bio-Fertilizer	Blessy Sagago Keira Gabrielle Fernandez Althea K. Perez	Lindawan Elementary School	Jocelyn C. Coldeg	Maribeth A. Cuaresma
4	The Effect of Additional UV-A Radiation Exposure in Seed Germination and Growth of Vigna radiate	Michylea Jade S. Mostales Van Justinne B. Olarte Chloe Angela M. Young	SPED Center - Baguio City	Sheryline L. Bustarga	Niño M. Tibangay
5	Included Breeding of Climbing perch(Anabas Testudeneus): A Sustainable Aqua Culture	Adriana Nicole A. Simon Jaszcha Andrada MARIA JESSICA/ASHLEY BANATICIA	University of Baguio Elementary School	Jenny Feliciano	Mary Jane Wayang
6	Effectiveness of Rosemary Plant as Natural Preservatives of Fruits and Vegetables	Remah Grace S. de Vera Alon Yuan Jucutan Camille Ruiz	University of Baguio - Laboratory Elementary School	Jenny Feliciano	Mary Jane Wayang
7	The Effect of Pulverized Green Mussel Shells(Perna Viridis) on the Soil Acidity & Growth of Pechay	Ela B. Kiswa Lara D. Busilan Syrah Mae B. Campilan	Adiwang Elementary School	Eugene B. Patinglag	Philip B. Sagalla
8	Potential of Straws as an Anti-Erosion Material	Joshua G. Daquipil Arabella V. Casiano Carlo L. Tumaneng	Baguio Achievers Academy	Gloria Esperanza	Linda C. Ordoña
9	Effect of Soda Bottle Self Watering Method to the Plant Resiliency and Soil Moisture Condition	Zeph Kentaro B. Hatada Marvin Patrick D. Lacanilao Jeremy Leonelle V. Abalos	SPED Center - Baguio City	Sheryline L. Bustarga	Niño Tibangay
10	The Feasibility of Philippine Amti (Solanum Ptycanthum) Leaves Extract as Brain Enhancer Drink: Table-Life Study of RTD B-Carotene	Kanaway Leigh B. Calitong Cayver C. Coma-ad Kenturah Kate Moselle D. Buting	Easter College	Ide A. Liwanen	Cleofe P. Kollin

Results of the Division Science Festival 2015
October 9 - 10, 2015

Science Investigatory Projects - SECONDARY

LIFE SCIENCE (Individual)

Rank	Project Title	Proponent	School	Coach	Principal
1	A Comparative Study Between the Anti-lice Properties of Extracted Pyrethrin from Arctic White Chrysanthemum flowers of Permethrin Shampoo	Robbie Nicole B. Padilla	Small World Christian Foundation	Johnson M. Aquicio	Imelda S. Casuga
2	Effect of Plastic Packaging Development of <i>P. infestans</i> and <i>F. meliforme</i> on Potato and Tomato	Gem A. Balay-odao	Baguio City Science Foundation	Marina E. Apayo	Clarissa U. Tolentino, MAEd
3	Comparative Analysis on the Distribution of the Three Forms of Lichens (Crustose, Foliose and Fructicose) in Happy Hallow and	Luz Clarita L. Tan	Happy Hallow National High School	Leo Peter N. Dacumos, MAEd-Bio	Jayrerose S. Guevara, PhD
4	Rambutan (<i>Nephelium lappaceum</i>) as an Organic Coffee	Janedon Mark L. Labi	University of Baguio High School	Daphne Dee C. Dogcio	Ronaldo C. Emiliano, MAEd
5	Feasibility of Bougainvillea Extract as an Antioxidant	Leandro T. Lim	Baguio City NHS	Marilyn Degay	Romulo M. Flora, PIV
6	Larvicidal Properties of Wild Sunflower (<i>Tithonia diversifolia</i>) Extracts on Mosquito Wrigglers	Laura Mae T. Tenefrancia	Berkeley School	John Michael Guerzon	Alfonso B. Astudillo III
7	Flea-killing shampoo from Chrysanthemum Stem Extract	Maria Ruffa E. De Vera	Baguio City NHS	Floro K. Wageyen	Romulo M. Flora, PIV
8	Effectivity of Cigarette Butt Fertilizer as an Alternative for Commercialized Fertilizer to Tomato Plant	Precious Mae E. Cachero	Doña Aurora National High School	Julio K. Canipas	Erwin D. Allaga
9	Fungistatic Effect of Banaba Leaf (<i>Lagerstroemia speciosa</i> , Linn.) Applied to <i>Aspergillus flavus</i>	Leojhun C. Palisoc	Pines City National High School	Daryl C. Magalalit	Leticia T. Sab-it
10	Lemon Grass and Aloe Vera Extract as an Analgesic Agent in <i>Mus musculus</i>	Kyla Dominique Gayo	University of Baguio Science High School	Mary-ann N. Daculog	Erlina P. De Peralta

LIFE SCIENCE (Team)

Rank	Project Title	Proponents	School	Coach	Principal
1	Antioxidant Potential of <i>Selligoea taeniata</i> (Pateteg) and <i>Elaeagnus philippinensis</i> (Behel api) Leaves Extract	Alindayo, Ybrille Jane Capdos Guadiz, Yessamin Tabas	Baguio City NHS	Efren Matthew C. De Peralta	Romulo M. Flora, PIV
2	Antibacterial Property of Banana Leaf Sheath (<i>Musa acuminata</i>) Ethanollic Extract on <i>Staphylococcus aureus</i> and <i>Escherichia Coli</i>	Daquial, Dana Shantel C. Gaban, Rhousse Jan M. Aludino, Alena Nathania S.	Berkeley School	John Michael A. Guerzon	Alfonso B. Astudillo III
3	Isolation and Identification of Bacteria from Desktop Computers at Easter College	Buned, Kianne Lance Soliba, Hisae Svetlana Melecio, Elysha	Easter College	Julius Panayo	Mae Layag
4	The Power of Spenweed: Bisphenol A Eliminator	Paragas, Mikyla S. Ramos, Tyne Frances C. Balanon, Angela T.	University of Baguio Science High School	Mary-ann N. Daculog	Erlina P. De Peralta
5	Antibacterial Potential of Taro (<i>Colocasia esculenta</i>) Stem Extract	Reyes, Kathleen Ocaso Fallori, Maybelene G.	Baguio City NHS	Efren Matthew C. De Peralta	Romulo M. Flora, PIV
6	Aqueous Extrat of Amri Fruit (<i>Solanum nigrum</i>) and Calico Leaf (<i>Alfermanthera dentata</i>): Alternative Biological Dye for Cheek and Onion Tissue	Lacaden, Adelfa E. Galdoen, Noerni Faith C. Albin, Billie May C.	Happy Hallow National High School	Leo Peter N. Dacumos, MAEd-Bio	Jayrerose S. Guevara, PhD
7	Potential of <i>Pinus kesiya</i> Tea as a Sensory Memory and Diet Enhancer on <i>Rattus albino</i>	Baguilat, Marie F. Bowman, Natasha C. Domingo, Chynna B.	Academia de Sophia International	Joanna Marie F. Reyes	Jennifer A. Cortez
8	Air Sucktion as Trap as Insect Flies Pest Killer	Bested, Jelmar A. Enciso, Ram L. Igama, Xavier V.	Baguio City Scince Foundation	Marina E. Apayo	Clarissa U. Tolentino
9	Feasibility of <i>Jatropha curcas</i> as an Alternative for Commercial Molluscicide	Calawen, Charmaine P. Guinoden, Edilyn T. Maligas, Jyeraiah P.	Pinsao National High School	Zybrinskie T. Bangcado	Jesusa A. Yadao
10	Pediculicide Shampoo Formulation on <i>Annonas squamosa</i> <i>Annonacea</i> Seed Oil and <i>Pimpinella Anisum</i> Seed Oil against Head Louse (<i>Pediculus humanus capitis</i>)	Pangpangdeo, Shanne Delle Reynante, Jeremy Euison Fernandez, Jestin Ree	Pines City National High School	Daryl Magalalit	Leticia I. Sab-it

PHYSICAL SCIENCE (Individual)

Rank	Project Title	Proponent	School	Coach	Principal
1	Auto-call Door Knob	Villatico, Jericho G.	Baguio City National High School	Jennifer L. Sibal	Romulo M. Flora, PIV
2	Automatic Retractable Clothesline with Exhaust Fan	Almazan, Kyle Justin O.	University of Baguio High School	Mary Ann N Daculog	Erlina P. De Peralta
3	The Efficacy of Pear Peeling as Absorbent for Water Purification	Valdez, Samantha Rhyne A.	Baguio City National High School - Main	Marilyn Degay	Romulo M. Flora, PIV
4	Improved Fire Retardant Sound Proof Insulator	Roncal, Shanika M.	Baguio Achievers' Academy	Victor R. Valdez	Linda C. Orduna
5	Conversion of Prototype Turbocharger to Mechanical Turbcharger	Ganasi, Geraldine Joy S.	Baguio City National High School - Main	Litaoen, Alan O.	Romulo M. Flora, PIV
6	Hydrogen from Water as Source of Zero Emission	Kindapan, Kahilia V.	University of Baguio Science High School	Mary-ann N. Daculog	Erlina P. De Peralta
7	Transesterification of Algal Oil in the Production of Biodiesel	Parnacio, Homard T.	Baguio City High School - Main	Herneria, Juliet I.	Romulo M. Flora, PIV
8	A Comparative Study on <i>Musa sapientum</i> Stalk and Stem as Natural Binder in Paper Production	Saculles, Kristine Laura A.	Our Lady of Mt. Carmel Montesorri	Sarah Jane E Ramos	Dr. Eva S. Barrientos
9	Use of Bran Syrup as an Alternative Natural Preservative for Breads	Garcia, Athena S.	Academia de Sophia International	Joana Marie F. Reyes	Jennifer A. Cortez
10	Ultrasonic Guide for People with Visual Impairment	Ang, Daniel Victor	Small World Christian School Foundation	Johnson M. Aquicio	Imelda S. Casuga

PHYSICAL SCIENCE (Team)

Rank	Project Title	Proponents	School	Coach	Principal
1	Smart Lighting Control for Household	Banglayan, Ellen Rose R. Lapangan, Apple Faith B. Padua, Fuji Ayra S.	Pinsao National High School	Zybrinskie T. Bangcado	Jesusa A. Yadao
2	Power on Delay and Low Voltage Protector Box for Appliances	Paipal, Mark Angelo T. Dulnuan, Ashley Mae T. Galones, Zhea G	Pines City National High School	Daryl C. Magalalit	Leticia Sab-it

...Continuation PHYSICAL SCIENCE (Team)

Rank	Project Title	Proponents	School	Coach	Principal
3	Mini Voltage Regulator	Castro, Gabriel Ivan G Dayote, Amerey Jevah S Tuginay, Jeborah E.	Pines City National High School	Daryl C. Magalalit	<i>[Signature]</i>
4	iSAFE (Improvised Safety Alarm for Emergency)	Bacilit, Christine Isabel G. Olivar, Isabelle O Dytiapco, Daphne Ysobel A.	Baguio Achievers' Academy	Victor Valdez	Linda C. Ordonia
5	Solar Powered Battery Charger and Power Bank with USB	Gagni, Ashley Nichole B. Cagadas, Jasmine G.	Baguio City High School - Main	Marilyn Degay	Florence E. Balictan
6	HyPOP: Hydroelectric Power Device asa Source of Electrical Energy at Home	Manangan, Nikka Mae B. Dumlao, Dunamis Ruth A. Nicer, Alysa Nicole C.	Baguio City NHS	Juliet I. Herrera	Romulo M. Flora
7	Design of an E-HOM using E-Kawayan	San Jose, Theodore B Refuerzo, Chloe O. Cabacungan, Patrick L.	Baguio Achievers' Academy	Victor C. Valdez	Linda C. Orduna
8	POWER SAVER: BICYCLE GENERATING CURRENT	Viray, Danilo Glenn P. Dumgalon, Jenarfe K.	Joaquin Smith National High School	Abrin M. Oyang-o	Rosanna Dizon
9	Seismic Wave Sensing Alarm	Kindapen, Abegail Joy B. Cachola, Key Ramos, Roxaanne	Pines City National High School	Daryl Magalalit	Leticia I. Sab-it
10	Solar Electro Mosquito (Culicidae) Trap Box	Landisan, Somny A. Tactay, Cecilene	Baguio City NHS	Marilyn D. Degay	Romulo M. Flora

[Signature]

Prepared by:

JOCELYN O. AMADING
BCAST Secretary

LAURENCE G. MILLET
BCAST President

Recommending Approval:

[Signature]
JACQUELINE G. LAMPAC, Ed. D.
ESP-I, Science & Technology

Approved:

[Signature]
RACHEL M. BUGTONG, Ed. D.
Chief, Curriculum Implementation Division

Noted:

[Signature]
FRANCIS CESAR B. BRINGAS, CESO V
Schools Division Superintendent