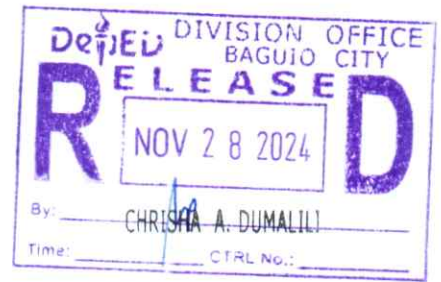




Republic of the Philippines
Department of Education
Cordillera Administrative Region
SCHOOLS DIVISION OF BAGUIO CITY



Nov. 27, 2024

DIVISION MEMORANDUM

No. **691-2024**

WINNERS IN THE 2024 DIVISION SCIENCE FESTIVAL

To: All Chief Education Supervisors
Education Program Supervisors
Public Schools District Supervisors
Public and Private Secondary School Heads
Public and Private Elementary School Heads
Teachers, SDO Personnel
Others Concerned

1. Relative to the conduct of the **2024 Division Science Festival** on November 09, 2024 at Mabini Elementary School, the Schools Division Office, through the Curriculum Implementation Division, would like to congratulate all the winners in the contested events: SciDama, Quiz Bee, Research Project, STEM Innovation Expo, and Research Innovation and Scientific Exploration. Kindly refer to Enclosure 1 for the list of winners.
2. First Placers in the Research Project, STEM Innovation Expo, and Research Innovation and Scientific Exploration will represent the Division in the 2024 Regional Science and Technology Fair this December 12-13, 2024 at Besao, Mt. Province.
3. For the timeline of activities relative to the participation to the Regional Level, refer to Enclosure 2.
4. Immediate and wide dissemination of this Memorandum is desired.

SORAYA T. FACULO, PhD CESO VI
Schools Division Superintendent



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Enclosure 1. List of Winners in the 2024 Division Science Festival

A. SCIDAMA

Rank	Grade Level/ Name	School	Coach
	Grade 3		
1 st	Jiezen B. Dapanas	Josefa Carino Elementary School	Gina G. Lartec
2 nd	Cyrill A. Channas	Pinsao Elementary School	Cherry B. Dangwilan
3 rd	Carl Francis S. Salbino	Pinget Elementary School	Mary Joy T. Pascual
	Grade 4		
1 st	Kier Nelson J. Lidua	SPED Center	Sharie Ann B. Soriano
2 nd	Beltran M. Apnoyan	Quezon Hill Elementary School	Blandina M. Apnoyan
3 rd	Kyeden Kyros E. Dumot	Rizal Elementary School	Sunshine Ramos
	Grade 5		
1 st	Jehu Dwayne G. Balog	Pinsao Elementary School	Sonia C. Pedling
2 nd	Ruztie Jade R. Samonte	Bakakeng Elementary School	Irene C. Balbos
3 rd	Sophia Kish R. San Sebastian	Dominican Mirador Elementary School	Methrishya B. Sabelo
	Grade 6		
1 st	Vince Caleb L. Lay-os	Fort Del Pilar Elementary School	Arlene A. Fey-agan
2 nd	Ranjelyn D. Tilao	Elpidio R. Quirino elementary School	Chadrey T. Madume
3 rd	Jimsy Asher A. Channas	Pinsao Elementary School	Eric C. Bugtong
	Grade 7		
1 st	Wikan S. Ayasao	Baguio City High School	Hannah F. Rapadas
2 nd	Brennan E. Puking	Baguio City High School	Keena K. Sanchez
3 rd	Shem Gabriel Grant P. Cadsí	Pines City National High School	Sheerhan C. Chugsayan
	Grade 8		
1 st	Haironisah B. Batuan	Pines City National High School	Andrew T. Bangcado
2 nd	Jael B. Ochinang	Dona Aurora National High School	Julio Canipas
3 rd	Jasper Dave W. Pitlongay	Mil-an National High School	Julian Roque



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<i>Grade 9</i>			
1 st	Jezreel Jack S. Ancheta	Quezon Hill National High School	Angeline B. Minos
2 nd	Keniel Bob M. Bango	Fort Del Pilar National High School	Ruchel F. Quioas
3 rd	Javier R. Corpuz	Dominican Mirador National High School	Robert A. Lopez
<i>Grade 10</i>			
1 st	Kent Daren W. Nacnas	Sto. Tomas National High School	Johnny Buasen
2 nd	Stephanie S. Bianco	Baguio City High School	Pepito Dacaimat
3 rd	Cherson Ken H. Asing	San Vicente National High School	Harriet Obie O. Kitkitoy

B. QUIZ BEE

Rank	Grade Level/Name	School	Coach
Grade 3			
1 st	Johnard Matthew Pascua	San Vicente Elementary School	Claydee O. Acong
2 nd	Mark Jharen A. Galang	Baguio Central School	Marissa C. De Guzman
3 rd	Jewel Cassandra Sky T. Dalog	Mabini Elementary School	Lorelie C. Giacaco
Grade 4			
1 st	Chandice Buansi	Dona Aurora Elementary School	Ethel Loi Mae D. Pagaduan
2 nd	Lyle Earvin A. Tibanggay	Dontogan Elementary School	Jovie Rick A. Estoesta
3 rd	Althea L. Alsonado	Elpidio Quirino Elementary School	Janet M. Rufino
Grade 5			
1 st	Gabriel R. El - assis	Bakakeng Elementary School	Irene L. Balbos
2 nd	Maximus Cloud C. Cutib	Baguio Achievers Academy	Emalyn Manangan
3 rd	Zoie Claire R. Jamandre	Mabini Elementary School	Angelbert Pednga
Grade 6			
1 st	Rei Niolli A. Sulipa	Mabini Elementary School	Arlon P. Parista
2 nd	Mia Ella H. Mafianog	Jose P. Laurel Elementary School	Caroline F. Traquena
3 rd	Jermaine Allen V. Abacco	San Luis Elementary School	Mayjane S. Arciaga



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	Grade 7		
1 st	Epefanio A. Pascua	Pines City National High School	Romalyn Poclingan
2 nd	Shane A. Palunan	Bakakeng National High School	Mary Ann Cho
3 rd	Shinta C. Pangilinan	Baguio City High School	Maricel C. Alcedo
	Grade 8		
1 st	Eloisa Kai Mappang	Baguio City National Science High School	Larry A. Peng-as
2 nd	Princess Castro	Our Lady of Mt. Carmel	Yolanda Dela Cruz
3 rd	Yafah Kai Yanichel P. Piok	Sto. Tomas National High School	Melchor Samdao
	Grade 9		
1 st	Alyssa Krishna M. Palatino	Baguio City National Science High School	Melanie Abaggue
2 nd	Zoey Leigh D. Agoo	Baguio City High School	Jacqueline Gamsawen
3 rd	Christine Rose L. Mercado	Saint Louis School Pacdal Inc.	Zenaida Pis-ew
	Grade 10		
1 st	Raymond Aidan M. Ang	Small World Christian School Foundation	Noryln C. Guinyang
2 nd	Heaven Grace O. Batay-an	Pines City National High School	Jeanne R. Dacalcap
3 rd	Marc Randolf D. Teodoro	Joaquin Smith National High School	Annabelle Q. Montero
	Grade 11& 12 Non-STEM (Team)		
1 st	Danille Thereze S. Amansec Gabriel T. Aquino Emil Peterson R. Borromeo	SLU BEDS Senior High School	Mary Rose Escala
2 nd	Angeline D. Panaligan Waivhene B. Rivero Kre-sham S. Tayaban	Joaquin Smith National High School	Emilton B. Mendoza
3 rd	Alexandria D. Olalia Karl Miguel M. Parilla Jacieli Rei D. Molato	Baguio City High School Mil-an National High School	Lheester Francis R. Mamanteo Esther L. Payap -a
	Grade 11& 12 STEM(Team)		
1 st	Marcus S. Inigo Gerald T. Gamido Eliana Ginezelle D. Marzo	Baguio City High School	Grace T. Daus
2 nd	Sheena M. Lauren Zabhriena Mae L. Sison	SLU - Laboratory High School	Tahiri Olat



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	Hiomishi N. Santos		
3 rd	Kristina A. Aspuria Charlie Mark E. Bumanglag Roma Angela F. Corpuz	UB Science High School	Abigail Palcongan

C. TUKLAS (RESEARCH PROJECT FAIR)

Rank	Category/ Title of Research	Proponents	Coach	School	School Head
	Life Science -Team				
1 st	Phytochemical And Toxicity Analysis of Saba Central Soft Core (Musa acuminata x balbisiana) Chips	Kirt Hendrick B. Balbino Kenan M. Tarcuan Fredelyn G. Ped- eng	Johnny P. Buasen	Sto. Tomas National High School	Jason Pascaden
	Life Science -Individual				
1 st	Antibacterial Activity of Philippine Pomelo (Catus maxima) Peel Crude Extract Against Staphylococcus aureus	Ycremel Lee P. Losnong	Lissa B. Roxas	Baguio City National Science High School	Ma. Joan D. Andayan
	Physical Science-Team				
1 st	Carbon-Coated TiO ₂ Nanoparticles on 3D Activated Carbon Anode for Output Power Density Enhancement in Soil Microbial Fuel Cells	Jared Jairus A. Licdan Antonio Erich Von R. Nañoz Robin Nev D. Abrera	Ariel N. Millare	Baguio City Science National High School	Ma. Joan D. Andayan
2 nd	Low Density Polyethylene Plastic Decomposition by Mealworms (Tenebrio molitor)	Kirsten Anika S. So Theona Amira M. Subala	Johnson M. Aquicio	Small World Christian School Foundation	
3 rd	Bioethanol Production and Assessment of Sechium edule and Brassica oleoracea var capitata	Johnn Louie V. Am-amlan Gavin Liam A. Corpuz	Charry Mar G. Mahusay	Baguio City National Science High School	Ma. Joan D. Andayan
	Physical Science-Individual				
1 st	Chinese Pechay (Brassicarapa rapa) Stalk as an Effective Biosorbent for Methylene Blue Solution	Efren Brandon L. Gonzales	Michael John P. Deatras	UB Science High School	Antonio D. Mangaliag



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	Robotics and Intelligent Machine-Team				
1 st	Enhancing Sustainable Farming: An Automated Soil Moisture Sensing Device for Precision Irrigation	Latrell M. Kedse Arriel Maxene E. Pachejo Kriszel Hera P.	Charry Mar G. Mahusay	Baguio City National Science High School	Ma. Joan D. Andayan
	Robotics and Intelligent Machine-Individual				
1 st	Airpal: Cloud-powered Remote-Controlled Robot for Seamless Remote Interactions	Jermaine G. Villarico	Mildred K. Pa-ac	Baguio City National Science High School	Ma. Joan D. Andayan
	Mathematics and Computational Science-Team				
1 st	Baguio Breakthrough: Optimizing the Shortest Routes to Tourist Destinations in the City of Pines	Hayden Bon Dulnuan Cynara Aliyah Liano Kheseeya Liwan	Jessica A. Yeban	Rizal National High School	Marcial Lami-ing
	Mathematics and Computational Science-Individual				
1 st	Optimizing Crop Production Efficiency Through Percent of Reduction in Production: A Mathematical Model	Jahzeel Luz P. Eustaquio	Jerry L. Manogan	Guisad Valley National High School	Edward Vicente

D. STEM INNOVATION EXPO

Rank	Category/Title of Innovation	Proponents	Coach	School	Principal
	STEM -IE- Team				
1 st	Papyri Application Innovation: Assessing the Level of Satisfaction and Acceptability Among Grade 7- 8 Students of Baguio City National Science High School	Jaixha Gubatan Lanz Quintinita Axl Rumbaoa	Florence P. Truntich Odicar Joice F. Chavez	Baguio City National Science High School	Ma. Joan D. Andayan



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2 nd	Navigating M.I.N.D.S.: Exploring Grade 7 and 10 BCNHS Students' Level of Satisfaction and Acceptability on the Application	Avril De Aro Jezreel Onos Jana Baoid	Florence P. Truntich Odicar Joice F. Chavez	Baguio City National Science High School	Ma. Joan D. Andayan
3 rd	Optimization of Piezoelectric Shoes (Padyak-kulisap) as Energy Source for Emergency Lighting	Bryam Jore P. Disu Rey P. Ferrer Zed Aldrich G. Parel	Viliu P. Buya	Baguio City National High School (Senior High School)	Ma. Joan D. Andayan
STEM-IE-Individual					
1 st	Zero Waste Processing Plant Miniature: Conversion of Non-biodegradable to Biodegradable Materials with the Use of Patented Formula	Hyacinth Nia Tess E. Alacdis	Ariel Millare	Baguio City National Science High School	Ma. Joan D. Andayan

E. RESEARCH INNOVATION AND SCIENTIFIC EXPLORATION

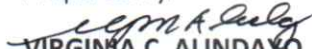
Rank	Category/Title of Innovation	Proponents	Coach	Schools	Principal
JHS-RISE- Team					
1 st	Exploring the Medicinal Properties of <i>Allium Tuberosum</i> in Ointment Formulation for the Preservation and Conservation of Traditional Cordillera Medicine	Jessica S. Dawey Harris Dave B. Lang- akan	Rocky O. Solimen	Guisad Valley NHS	Edward C. Vicente
2 nd	Bisolak (<i>Embelia Philippiensis</i>) as Natural Seasoning	Clarence A. Nape-ek Janella Rhiz A. Lang-ay Brianna Gabrielle S. Venegas	Johnny Buasen	Sto.Tomas National High School	Jason W. Pascaden
3 rd	Remembering the Authentic Taste of our Native Cuisine in a Patty	Rogil Viel M. Clores Lester John T. Ocyo	Evelyn R. Nocelo	Baguio City High School	Whitney A. Dawayen



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	JHS-RISE-Individual				
1 st	Tapey - Licous Cookie Bites	Erwin Daniel B. Coga-ay	Evelyn R. Nocelo	Baguio City High School	Whitney A. Dawayen
2 nd	Kamochurrote	Thea Franchette B. Odató	Evelyn R. Nocelo	Baguio City High School	Whitney A. Dawayen
	SHS-RISE-Team				
1 st	LPG- TANK : "The Arduino Based Leakage Detector Kit"	Daisy G. Tarnate Reymark T. Navarro Remp Rody P. Esteban	Jerry L. Manogan	Guisad Valley NHS	Edward C. Vicente
2 nd	The Development and Sensory Evaluation of Montanyosa Herbal Tea Using the Leaves of Betel, Chayote, Sweet Potato, Black Mulberry and Stevia as Key Ingredients	Nathalie Belle C. Hije Jumong L. Chomawin Jensen P. Mariñas	Rufina D. Cadsí	Baguio City Science High School	Ma. Joan B. Andayan
3 rd	Development of Banana Cracker "Kropek": Evaluating Customer Satisfaction and Profitability	Princess Jolin D. Erispe Pristine Shelemaiah R. Jocson Alysa Kate K. Nebrida	Rufina D. Cadsí	Baguio City Science High School	Ma. Joan B. Andayan
	SHS-RISE-Individual				
1 st	Montañosa Herbal Coffee Blends: Its Formulation and Sensory Evaluation	Xedrick Elbert U. Tabula	Rufina D. Cadsí	Baguio City Science High School	Ma. Joan B. Andayan
2 nd	LUMOT (Lumot Used in Making Alternative Options for Transformative Fabric)	Bernabe A. Vanhertzel	Jerry L. Manogan	Guisad Valley NHS	Edward C. Vicente
3 rd	Ripeacorn Brew (Combination of Rice, Peanut and Corn Brew)	Hochimie B. Cobsin	Grace L. Santos	Fort Del Pilar NHS	Lilybeth B. Balutoc

Prepared by:


VIRGINIA C. ALINDAYO
 EPS-Science

Noted:


JULIET C. SANNAD, EdD
 Chief Education Supervisor-CID



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Enclosure 2. Timeline of Activities for the Participation to the 2024 Regional Science and Technology Fair

Timeline	Activities	Person/Committee In-Charge
Nov. 10-28, 2024	Incorporation of SRC Recommendations and final submission of manuscripts and other entry requirements	<i>Proponents, Research adviser, School SRC, Division SRC, DSTF Focal Person</i>
Nov. 29, 2024	Submission of manuscripts and other entry requirements to the Regional Science and Technology Fair Focal Person.	<i>DSTF Focal Person</i>
Dec. 2, 2024	Submission of manuscripts to the Regional Office	<i>DSTF Focal Person</i>
Dec. 12-13	Regional Science and Technology Fair	<i>Proponents, Research adviser, EPS-Science, TWG</i>

Prepared by:


VIRGINIA C. ALINDAYO

EPS-Science

Noted:


JULIET C. SANNAD, EdD

Chief Education Supervisor-CID