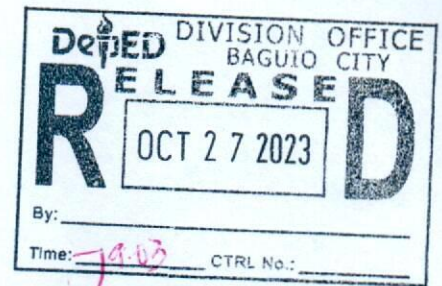




Republic of the Philippines
Department of Education
Cordillera Administrative Region
SCHOOLS DIVISION OF BAGUIO CITY



October 26, 2023

DIVISION MEMORANDUM

No. **442-2023**

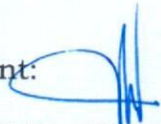
WINNERS IN THE 2023 DIVISION SCIENCE FESTIVAL

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 **2023 Division Science Festival** on October 21, 2023 at the Baguio City High School gym, the Schools Division Office, through the Curriculum Implementation Division, would like to congratulate all the winners in the SciDama competition and Research Project Fair. Kindly refer to Enclosure 1 for the list of winners.
2. First Placers in the SciDama shall represent the Division in the Regional Science Festival this December while the Top 2 winners in the Research Project Fair are qualified to submit their research manuscripts for pre-evaluation by the Regional Scientific Review Committee.
3. Kindly refer to Enclosure 2 for the timeline of activities relative to the submission of research manuscripts for the Regional Level.
4. Participants in the Division Science Festival are entitled to one (1) day service credits/ Compensatory Overtime Credits as per DO No. 53 s. 2003 and DBM Joint Circular No. 2 s. 2004.
5. Immediate and wide dissemination of this Memorandum is desired.

SORAYA T. FACULO, PhD CESO VI
Assistant Schools Division Superintendent
OIC- Office of the Schools Division Superintendent

For the Schools Division Superintendent:


NIÑO M. TIBANGAY, PhD
CES- School Governance and Operation Division





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Enclosure 1. List of Winners in the 2023 Division Science Festival

I. SciDama

Grade 3				
Rank	Name	School	Coach	Principal
1 st	Kier Nelson J. Lidua	Baguio City SPED Center	Assumpta P. Bernal	Rommel L. Manzano
2 nd	Yohan A. Piliz	Bakakeng Elem School	Melissa C. Bondoc	Brigitte Y. Galong
3 rd	Mar Justine M. Tuazon	Josefa Carino E/S	Gina G. Lartec	Ligaya N. Annawi
4 th	Athena Joan A. Dumaguing	Pacday Quinio ES	Jaira Laine T. Akilit	Anna Laurie W. Bisquera
5 th	Harold C. Santos Jr.	Dona Aurora ES	Arlene Picart	Nancy B. Dumalili
Grade 4				
1 st	Isaiah P. Che-es	San Carlos Heights ES	Cherryl S. Madume	Luz F. Soriano
2 nd	Xian Drake C. Ambrocio	San Luis ES	Cristina L. Gamsao	Marcial L. Lami-ing
3 rd	Bernardo P. Mang-Awan Jr.	Pacday Quinio ES	Mark Adrian J. Arenas	Annie Laurie W. Bisquera
4 th	Sophia Kish R. San Seabastian	Dominican Mirador ES	Mary Joy M. Paican	Zenaida L. Kunayon
5 th	Aeyzer O. Panas	Crystal Cave ES	Julius S. Velasco	Julia A. Biligan
Grade 5				
1 st	Jimsy Asher A. Channas	Pinsao ES	Sonia C. Pedling	Marie D. Sillatoc
2 nd	Rommel P. Luis	Elipidio R. Quirino ES	Chadrey Madume	Jospeh A. Estigoy
3 rd	Raizo Dogwe	Rizal ES	Bimbo Q. Cuyangan	Remedios P. Quinio
4 th	Kristine Dyossa B. Bagsingit	Bakakeng ES	Isaganai B. Abenoja	Brigitte Y. Galong
5 th	Jyle Gether T. Natemtem	Springhills ES	Melvin Allan L. Dogaong	Jimmy B. Garcia Jr.
Grade 6				
1 st	Jerix Jayden A. Paleyan	Magsaysay ES	Elaine Rose L. Villanueva	Florida F. Cael
2 nd	Raymond S. Gayaman	Elpidio R. Quirino ES	Chadrey T. Madume	Jospeh A. Estigoy
3 rd	Jade Ayden A. Paleyan	Magsaysay ES	Elaine Rose L. Villanueva	Florida F. Cael
4 th	Anderson R. Fangki	Dona Aurora H. Bueno ES	Annaliza H. Chegyem	Teodora B. Botis
5 th	Harvey C. Akia	Bakakeng ES	Irene L. Balbos	Brigitte Y. Galong





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Grade 7				
1 st	Sean Jacob P. Kes-ar	PCNHS	Grace L. Santos	Danilo Gayao
2 nd	Andhrie Clyne C. Lapindo	STNHS	Debie Mae B. Benito	Rosie Beel Marzo
3 rd	Paul Daisuke T. Alejandro	STNHS	Debie Mae B. Benito	Rosie Beel Marzo
4 th	Glorriane Krishma R. Hora,	INHS	Victorie Ann P Pulao	Jeffrey Aliga
5 th	James M. Yalung	PCNHS	Grace L. Santos	Danilo Gayao
Grade 8				
1 st	Aiceal Richardson C. Martinez	Magsaysay NHS	Jessica T. Corpuz	Marilou T. Gomeyac
2 nd	Janlex T. Cobalida	INHS	Geraldine A. Lapiguera	Jeffrey Aliga
3 rd	Rodirick M. Fernandez	Magsaysay NHS	Jessica T. Corpuz	Marilou T. Gomeyac
4 th	James M. Cabbigat	Joaquin Smith NHS	Abrin M. Oyang-O	Jesuz Yadao
5 th	Matt Daniel A. Dalang	Pinsao NHS		Christpher Basing-at
Grade 9				
1 st	Roldan Pinas Cruzado	STNHS	Estella Charoping	Rosie Beel Marzo
2 nd	John Mark S. Bay-an	BCNHS	Edith K. Buance	Whitney Dawayen
3 rd	Rexar C. Yodong	PCNHS	Jovy Rose A . Abuda	Danilo Gayao
4 th	Samantha V. Aquino	GVNHS		Edward Vicente
5 th	Charles John Dennis S. Diosan	Rizal NHS	Zaldy Llquigan	Russel Fitz P. Wadasen
Grade 10				
1 st	Yuri D. Kimbatoy	STNHS	Johnny P. Buasen	Rosie Beel Marzo
2 nd	Rollie P. Sioson	Hillside NHS	Julius Cutit	Erwin Allaga
3 rd	John Rey B. Esmeralda	GVNHS		Edward Vicente
4 th	Ron Jacob A. Aquino	INHS	Michael Edrian S Ferrer	Jeffrey Aliga
5 th	Fharyl P. Oriente	Magsaysay NHS	Imee Kate M. Datoc	Marilou T. Gomeyac





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II. Research Project Fair

A. Life Science- Team					
Rank	Title of Research	Proponents	Coach	Schools	Principal
1 st	Antibacterial potential of <i>Selligoea taeniata</i> extract: A natural resource for combating bacterial infection	Salango, Trojan; Samson, Allanson; Gutierrez, Kyrosh	Efren Matthew C. De Peralta Joey B. Lartec	Baguio City High School	Whitney Dawayen
2 nd	Evaluating Benguet Carrot (<i>Daucus carota</i>) seed essential oil as an anti-microbial agent	Puday, Josh Jacques; Baking, Carol Jane; Fabella, Anne Therese	Efren Matthew C. De Peralta Joey B. Lartec	Baguio City High School	Whitney Dawayen
3.5	Determination of <i>Pinus kesiya corticluous</i> Lichen diversity in camp John Hay, baguio City, Philippines	Barrozo, Kenzo; Malecdan, Dorinda; Balignasay, Sophia	John Michael A. Guerzon	SLU	Alejandro Pablico
3.5	TA-DY Film: Taro (<i>Colocasia esculenta</i>) and lady finger (<i>Abelmoschos escolentus</i>) as bioplastic film	Awingan, Allyson Joyce; Bananal, Princess Lyka, Decoyna, Aliyah Gem	Jerry Manogan	Guisad Valley NHS	Edward Vicente
5.5	Harnessing the Use of Apple Snail (<i>Pomacea canaliculate</i>) shell extract as antibacterial: a contribution to SDG 6	Jamero, gabriel; Lao Giancarlo; Ongoco, David	Thea P. Suaco	University of Baguio	Antonio D. Mangaliag
5.5	Lesser yam (<i>Dioscorea esculenta</i>) as an antimicrobial agent against escherichia coli and staphylococcus aureus	Bayo, Dwayne; Abille, Rhian Imee; Tenorio, Alveena Maxin	Thea P. Suaco	University of Baguio	Antonio D. Mangaliag





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B. Life Science -Individual					
1 st	Multiple Shoot and Leaf Induction on <i>Stevia rebaudiana</i> through in-vitro plant tissue culture technique	Namoca, Lara Annika Paula	John Michael A. Guerzon	SLU	Alejandro P. Pablico
2 nd	Assessment of Antioxidant Capability of Benguet pine (<i>Pinus kesiya</i>) needle extract	Corsal, Jasper Kurt	Efren Matthew C. De Peralta Joey B. Lartec	Baguio City High School	Whitney Dawayen
3 rd	Antibacterial properties of fungal endophytes in <i>Solanum tuberosum</i> vr <i>Igorota</i>	Gumanlan, Erin Shane	John Michael A. Guerzon	SLU	Alejandro P. Pablico
C. Physical Science -Team					
1 st	Bio-absorption Potential of Sagada Orange Peel on Lead-Contaminated Water	Abella, Helena Gricelle; Guibac, Richard Jr; De Guzman, Bernardine Mikaela	John Michael A. Guerzon	SLU	Alejandro P. Pablico
2 nd	Optimization of a mini hydropower rplant for emergency lighting through irrigation system integration	Casilan, Anzenio Jay; Fajardo, Sophia Yhaj; Kiswa, Mika	Viliu P. Buya Jessie G. Bueta	Baguio City High School	Whitney Dawayen
3 rd	Recyclable Piezoelectric Generator as a noise vibration frequency converter to electricity	Areola, Micah Angelayne; Dalida, Leah Joy; Tan, Rianni Elina	Ariel N. Millare	Baguio City National Science High School	Ma. Joan B. Andayan
4 th	Utilization and treatment of acidic mine waste water by biosorption and bio-coagulant using coconut palm (<i>Cocos nucifera</i>) and bitter lemon (<i>Citrus aurantium</i>)	Naoy, Zhairich Keith; Dangarang, Azmon Kyle; Lachica, Mariella	Thea P. Suaco	University of Baguio	Antonio D. Mangaliag





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5 th	Ecoboom: Automated Sandbased fire extinguisher	Cayanan, Jhon Andrew; Luis, Angel Rhaine; Taruc, Kyle Jesryl	Jerry L. Manogan	Guisad Valley NHS	Edward Vicente
D. Physical Science-Individual					
1 st	LDC Machine (Lift Drainage Cleaner Machine)	Dayaday, Aislinn Jade	Dale Andre M. Dicang	Guisad Valley, NHS	Edward Vicente
2 nd	Investigating the Potential of Small Scale Hydroelectric Power Generators for Home Energy Needs	Somyden, Charmaine Jane	Alvin Noel D. Gayados Lakambine C. Pine	Baguio City High School	Whitney Dawayen
E. Robotics and Intelligent Machine-Team					
1 st	Effectivity of Utilizing Smart School Access and Attendance Management System using QR Code and Face Recognition	Obial, Kelly Rose; Gam-ad, Nick Gabriel; Sagudin, Leonard	Rufina D. Cadsí	Baguio City Science	Ma. Joan B. Andayan
2 nd	Revolutionizing Energy Conservation SHOCK: Intelligent Energy Saving Device for Optimal Energy Usage in School	Alberto, Irish; Nantes, Davidoff; Simpelo, Daynell Louis Jeims	Dale Andre M. Dican	Guisad Valley NHS	Edward Vicente
F. Robotics and Intelligent Machine-Individual					
1 st	Smart Density-Based Traffic Management System	Villarico, Jermaine	Charlie Mae C. Dolipas	Baguio City National Science High School	Ma. Joan B. Andayan
2 nd	NOAH'S ARK: Neo Tectonic Observation in Advanced Hazard and Landslide Surveillance and Recording Kit	Corales, Jaycee	Dale Andre M. Dicang	Guisad Valley NHS	Edward Vicente





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G. Mathematics and Computational Science-Team					
1 st	Efficiency evaluation of evacuation routes: a computational study at Guisad Valley NHS	Aliweng, Abdiel; Cua-at, Nath Denniel; Gabol, Nicole Alexie	Andre M. Dicang	Guisad Valley NHS	Edward Vicente
H. Mathematics and Computational Science-Individual					
1 st	Machine Learning: Implement Machine Calculating and Programming Algorithms of Robot Control for Paths in Time of Service	Kian E. Orbino	Cherry A. Capuyan	Baguio City High School	Whitney Dawayen
2 nd	Container: A Computational Study on the Packing Potential of New Generation Philippine Peso Coin	Kyllie Andrea V. Nebres	Jerry L. Manogan	Guisad Valley NHS	Edward Vicente





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Enclosure 2. Timeline of Activities for the Submission of Research Project Manuscripts and other Entry Requirements

Timeline	Activities	Person/Committee In-Charge
October 23-31, 2023	Cliniquing/Mentoring/Coaching of the regional representatives (Top 2 winners)	Adviser, SRC, Board of Judges
Nov.1-7, 2023	Revision of the manuscripts and other requirements by incorporating the recommendations of the SRC/Board of Judges	<i>Proponents, Research adviser, School SRC,</i>
Nov. 8, 2023	Resubmission of the revised manuscripts and other requirements to the Division SRC for the final quality assurance: (three (3) hard and digital copies of research manuscripts	<i>Proponents, Research adviser, Division SRC, DSTF Focal Person</i>
Nov. 9-13, 2023	Quality assurance by the Division SRC	<i>Division SRC, DSTF Focal Person</i>
Nov. 14-16, 2023	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. 17, 2023	Submission of manuscripts and other entry requirements to the Regional Science and Technology Fair Focal Person.	<i>DSTF Focal Person</i>





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