



Republic of the Philippines  
Department of Education  
REGION X – NORTHERN MINDANAO  
SCHOOLS DIVISION OF EL SALVADOR CITY

Office of the Schools Division Superintendent

11 November 2023

DIVISION MEMORANDUM

No. 489, s. 2023

**Corrigendum to DM 440 s. 2023 Re: Division Science and Technology Fair 2023**

To: Education Program Supervisors  
Elementary School Heads  
Secondary School Heads  
Teachers  
All Others Concerned

1. In reference to Division Memorandum No. 440 s. 2023 re: **Division Science and Technology Fair 2023**. This office announces the conduct of DSTF 2023 will be at Cogon National High School at 7:30 am, with the theme "Agham at Teknolohiya: Sandigan ng Kalusugan, Kabuhayan, Kaayusan at Kinabukasan."
2. Participants in the DSTF 2023 includes all secondary school heads, science coordinators of Junior and Senior High Schools, coaches, learners, education program supervisors and partners from private institutions.
3. This year's DSTF will hold the following competitions:

Maximum Number of Learner Participants per School	
<b>Life Science Category (4)</b>	
Individual	1
Team	maximum of 3
<b>Physical Science Category (4)</b>	
Individual	1
Team	maximum of 3
<b>Mathematics and Computational Science Category (4)</b>	
Individual	1
Team	maximum of 3
<b>Robotics and Intelligent Machines Category (4)</b>	
Individual	1
Team	maximum of 3
<b>Science Innovation Expo (4)</b>	
Individual	1
Team	maximum of 3
<b>TOTAL</b>	<b>20</b>



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3. Each school's entry must submit the whole research paper in three copies to the office by November 9, 2023, before 5:00 pm.
4. Each presenter is given 5 to 7 minutes to present their research study.
5. Travel and other incidental expenses shall be charged to school MOOE/local funds, subject to the usual accounting and auditing rules and procedures.
6. Participation shall be subject to the *no-disruption-of-classes policy* stipulated in DepEd Order No. 09, s. 2005 entitled *Instituting Measures to Increase Engaged Time-On-Task and Ensuring Compliance Therewith*. The concerned school head is advised to assign teachers to handle the classes of the identified teacher-participant.
7. This Office shall adhere to Equal Opportunity Principle (EOP) in the steps undertaken for this purpose. Hence, all decisions and actions shall be based on guidelines set forth, with no discrimination on the account of age, gender, identity, sexual orientation, civil status, disability, religion, ethnicity or political affiliation.
8. Immediate and wide dissemination of this memorandum is desired.

**RANDOLPH B. TORTOLA**

Schools Division Superintendent

*Attch: As Stated*  
*To be indicated in the Perpetual Index*  
*Under DSTF*  
CID/ mjac



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**Project Evaluation Form**

Title of Research Project: \_\_\_\_\_

Project Proponent/s: \_\_\_\_\_

School: \_\_\_\_\_

Project Category:  Life Science  
 Physical Science  
 Mathematics and Computational Sciences  
 Robotics and Intelligent Machines  
 Team  Individual

CATEGORY

SCORE

**Creative Ability (30)** \_\_\_\_\_

- Does the project show creative and originality in the:
  - Question asked?
  - Approach to solving the problem?
  - Analysis of the data?
  - Interpretation of the data?
  - Use of equipment?
  - Construction or design of new equipment.
- Creative research should support an investigation and help answer a question in an original way.
- A creative contribution promotes an efficient and reliable method for solving a problem. When evaluating project, it is important to distinguish between gadgeteering and ingenuity.

**Scientific Thought or Engineering Goals (30)** \_\_\_\_\_

**Scientific Thought**

- Is the problem stated clearly and unambiguously?
- Was the problem sufficiently limited to allow plausible attack? Good scientists can identify important problems capable of solutions.
- Was there a procedural plan for obtaining a solution?
- Are the variable clearly recognized and defined?
- If controls were necessary, did the student recognize their need and were they used correctly?
- Are there adequate data to support the conclusions?
- Does the finalist/team recognize the data's limitations?
- Does the finalist/team understand the project's ties to related research?
- Does the finalist/team have an idea of what further research is warranted?
- Did the finalist/team cite scientific literature, or only popular literature (e.g. local newspapers, magazines)?



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**Engineering Goals (if engineering project)**

1. Does the project have a clear objective?
2. Is the objective relevant to the potential user's needs?
3. Is the solution: workable? Acceptable to the potential user? Economically feasible?
4. Could the solution be utilized successfully in design or construction of an end product?
5. Is the solution a significant improvement over previous alternatives or application?
6. Has the solution been tested for performances under the conditions of use?

**Thoroughness (15)**

1. Was the purpose carried out to completion within the scope of the original intent?
2. How completely was the problem covered?
3. Are the conclusions based on a single experiment or replication?
4. How complete are the project notes?
5. Is the finalist/team aware of other approaches or theories?
6. How much time did the finalist or team spend on the project?
7. Is the finalist/team familiar with scientific literature in the studied field?
8. Are the relevant details (including the pages and dates) of the experiment recorded in the research data logbook?

**Skill (15)**

1. Does the finalist/team have the required laboratory, computation, observational and design skills to obtain the supporting data?
2. Where was the project performed (i.e. home, school laboratory, university laboratory). Did the student or team receive assistance from parents, teachers, scientists or engineers?
3. Was the project completed under adult supervision, or did the student/team work largely alone?
4. Where did the equipment come from? Was it built independently by the finalist or team? Was it obtained on loan? Was it part of a laboratory where the finalist/team worked?

**Clarity (10)**

1. How clearly does the finalist/team discuss his/her/their project and explain the purpose, procedure and conclusions? Watch out for memorized speeches that reflect little understanding of principles.
2. Does the written material reflect the finalist's or team's understanding of the research?
3. Are the important phases of the project presented in an orderly manner?
4. How clearly is the data presented?





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5. How clearly are the results presented?
6. Did the finalist/team perform all the project work, or did someone help?

TOTAL SCORE: \_\_\_\_\_

Signature over Printed Name of the Judge

**Science Innovation Expo**

Title of Research Project: \_\_\_\_\_

Project Proponent/s: \_\_\_\_\_

School: \_\_\_\_\_

Project Category:                       Team                       Individual

CATEGORY	SCORE
Originality & Innovation .....	30% _____
Community Connection & Impact .....	25% _____
Functionality and Quality .....	25% _____
Utilization of Patent Information .....	20% _____
TOTAL SCORE: _____	

Signature over Printed Name of the Judge



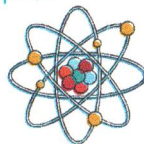
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# Technical Working Group

Division Screening Committee	Marie Jade A. Cacayan Apple Kate S. Unson Lynnel C. Boter Joerigene Odette C. Neri
Program Chairperson	Apple Kate S. Unson
Certificates Chairperson	Lougie Mae Batalla Nemelie P. Ral
Attendance Chairperson	Therese Angeli M. Romasanta
Food Chairperson	Elerfe Janine B. Kadile Rince Entice
Decoration	Joerigene Odette C. Neri Jorge Cacdac Jr. Cogon NHS Faculty and Staff
Masters of Ceremony	Lynnel C. Boter
Documenter	Roderick B. Balili Rince Entice Quimberly G. Baspin
Time Keeper Chairperson	Lougie Mae Batalla
Presenter Chairperson	Joerigene Odette C. Neri
Venue Chairperson	Chuchie A. Quiring Phoebe Joy Pacut Lopez Liza May Duran Eden J. Laserna



DIVISION OF EL SALVADOR CITY

# 2023 DIVISION SCIENCE & TECHNOLOGY FAIR

# DSTF

Agham at Teknolohiya: Sandigan ng Kalusugan,  
Kabuhayan, Kaayusan at Kinabukasan

NOVEMBER 10, 2023

**COGON NATIONAL HIGH SCHOOL,  
EL SALVADOR CITY, MISAMIS ORIENTAL**

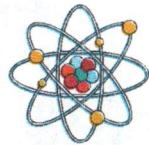


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## Program Flow

<b>Arrival and Registration</b>	7:30 - 8:00 AM
<b>Invocation and National Anthem</b>	8:00- 8:20 AM
<b>Welcome Message</b> <i>Chuchie A. Quiring</i>	8:20 - 8:30 AM
<b>Inpirational Message</b> <i>Randolph B. Tortola, PhD</i>	8:30 - 9:00 AM
<b>ISEF Guidelines</b> <i>Angelo Mark P. Walag, PhD</i>	9:00 - 9:30 AM
<b>Integrating Technology in Science Research</b> <i>Kathleen Eborá Padrigalan, PhD</i>	9:30 - 10:00 AM
<b>Output Presentation</b> <i>Science Innovation Expo</i>	10:00 - 11:00 AM
<b>Output Presentation</b> <i>Robotics and Intelligent Machines</i>	11:00-12:00 PM
<b>Lunch Break</b>	12:00 - 1:00 PM



<b>Output Presentation</b> <i>Mathematics and Computational Science</i>	1:00 - 2:00 PM
<b>Output Presentation</b> <i>Physical Science</i>	2:00 - 3:00 PM
<b>Output Presentation</b> <i>Life Science</i>	3:00 - 4:00 PM
<b>Closing Remarks</b>	4:00 - 5:00 PM

**Masters of Ceremony**

*Lynnel C. Boter*

**DSTF 2023**

