



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

Office of the Schools Division Superintendent

12 October 2023

DIVISION MEMORANDUM
 No. 440, s. 2023

Division Science and Technology Fair 2023

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

1. The Division of El Salvador City through the Curriculum Implementation Division will conduct the Annual Division Science and Technology Fair (DSTF) 2023 on November 10, 2023, at a venue to be announced on a separate memorandum.
2. The DSTF encourages learners to develop critical thinking and problem-solving skills while encouraging creativity through scientific research. This years DSTF will hold the following competitions:

Maximum Number of Learner Participants per School	
Life Science Category (4)	
Individual	1
Team	maximum of 3
Physical Science Category (4)	
Individual	1
Team	maximum of 3
Mathematics and Computational Science Category (4)	
Individual	1
Team	maximum of 3
Robotics and Intelligent Machines Category (4)	
Individual	1
Team	maximum of 3
Science Innovation Expo (4)	
Individual	1
Team	maximum of 3
TOTAL	25

3. Abstracts must be submitted via online to mariejade.cacavan@deped.gov.ph with a subject format: DSTF_SCHOOL_CATEGORY (ex. DSTF_MOLUGANNHS_LS-I) deadline of submission on or before November 6, 2023.



Address: Zone 3, Poblacion, El Salvador City | Tel. No. (088) 555-0113
 Website: www.depedelsalvadorcity.net
 Email: elsalvador.city@deped.gov.ph


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4. Attached are the guidelines for Division Science and Technology Fair 2023 – 2024.
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 

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



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Guidelines on the Division Science and Technology Fair 2023 – 2024

1. The competition is open to both public and private schools with Junior and Senior high school learners. The first-place winners in each category at the Division Level shall represent the division to the Regional STF competition.
2. The participation of schools shall be clustered into five categories: Life Science, Physical Science, Mathematics and Computational Science, Robotics and Intelligent Machines and Science Innovation Expo.

Maximum Number of Learner Participants per School	
Life Science Category (4)	
Individual	1
Team	maximum of 3
Physical Science Category (4)	
Individual	1
Team	maximum of 3
Mathematics and Computational Science Category (4)	
Individual	1
Team	maximum of 3
Robotics and Intelligent Machines Category (4)	
Individual	1
Team	maximum of 3
Science Innovation Expo (4)	
Individual	1
Team	maximum of 3
TOTAL	25

3. The following are the forms and manuscripts to be submitted in ALL levels of the competition:
 - a. Research Plan
 - b. FORMS for all projects
 - i. Student Checklist (1A)
 - ii. Research Plan
 - iii. Approval Form (1B)
 - iv. Regulated Research Institutional/ Industrial Setting Form (1C)
 - v. Checklist for Adult Sponsor
 - c. Abstract (Maximum of 250 words)
 The abstract should include the following:
 - i. Purpose of the experiment
 - ii. Procedure
 - iii. Data
 - iv. Conclusion





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The abstract may NOT include the following:

- i. Acknowledgements
 - ii. Logos of proper names of commercial products
 - iii. Work or procedures done by the mentor.
-
- d. Research Paper (Include the Title Page, Abstract, Main Body, and References)
 - e. Project Evaluation Form



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Format of Paper Invention Report

Invention Report Paper:

a) **Title Page and Table of Contents:** The title page and table of contents allows the reader to follow the organization of the paper quickly.

b) **Introduction:**

1) **Features and Specifications** – This describes the details of your invention.

2) **Market Trends and Opportunities** – This part of the report must include three items: what inspired you to develop this invention, an explanation of what problem your invention will solve, and describe in detail how you determined that the invention that you created did not already exist. Explain what products are already on the market that are somewhat like your invention and describe how yours differs.

c) **Materials and Methods:** Describe in detail how you made your invention. Explain what materials were used and how you put them together to make your invention. Your report should be detailed enough so that someone would be able to repeat the steps and make your invention. Directions on how to use the invention are also necessary here. You must include a detailed drawing(s) of your invention.

d) **Results and Discussion:** This is the essence of your paper. Compare your results with theoretical values, published data, literature and related studies, commonly held beliefs, and/or expected results. Include a discussion of possible errors, statistics, graphs, pages with your raw collected data, etc. How did the data vary between repeated observations of similar events? How were your results affected by uncontrolled events? What would you do differently if you repeated this project? What other experiments should be conducted?

f) **Conclusions:** This discusses the potential applications, possible customer benefits, and the impact of the problem in solving problems and issues of today and tomorrow.

g) **Acknowledgements:** You should always credit those who have assisted you, including individuals, businesses and educational or research institutions.

h) **References/Bibliography:** Your reference list should be written based on the Chicago Manual of Style. For more information, you may visit the websites below:

- <http://www.chicagomanualofstyle.org/home.html>
- <http://www.calvin.edu/library/knightite/index.php>



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