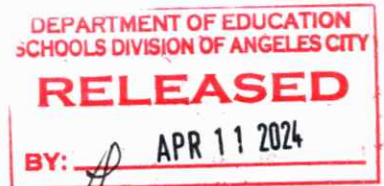




Republic of the Philippines  
**Department of Education**  
REGION III  
SCHOOLS DIVISION OF ANGELES CITY



08 Apr 2024

DIVISION MEMORANDUM  
No. 148 s. 2024

**2024 DIVISION FESTIVAL OF TALENTS  
"Science STEMazing"**

To: Assistant Schools Division Superintendent  
Chief Education Supervisors  
Education Program Supervisors, Science  
Public Schools District Supervisors  
Public Secondary School Heads

1. This is to announce the conduct of the 2024 Division Festival of Talents- "STEMazing" on April 24, 2024, at STEM Center, Dr. Clemente N. Dayrit Elementary School Angeles City.
2. The activity aims to identify the most creative/innovative and the best student researchers who will represent the Division in the Regional Festival of Talents -STEMazing contest.
3. The participants in this activity are Junior and Senior High School students. Participants must bring a printer, laptop, bond papers (A4) extension cords notebook, books, other printed resources, and pocket wifi.
4. For further details regarding the mechanics and guidelines of the contest, please refer to the enclosure attached to this Memorandum.
5. For queries or clarifications, please contact Dr. Gemima A. Estrabillo, Education Program Supervisor in Science of the Curriculum Implementation Division, at mobile number 09327877249.
6. Immediate and wide dissemination of this Memorandum to all concerned is earnestly desired.

**ENGR. EDGARD C. DOMINGO PhD, CESO V**  
Schools Division Superintendent

Encl.: As stated  
Reference:  
To be indicated in the Perpetual Index  
under the following subjects:  
Science Contests



Jesus St., Brgy. Pulungbulu, Angeles City 2009  
[\[045\] 901-9498/angeles.city@deped.gov.ph](mailto:angeles.city@deped.gov.ph)



Republic of the Philippines  
**Department of Education**  
 Region III  
 Schools Division Office of Angeles City

Enclosure No. 1 to Division Memorandum No. 48s, 2024

## STEMAZING

(A Competition of Science, Technological, and Mathematical Outputs)

<b>COMPONENT AREA</b>	<b>Science, Technology, and Mathematics</b>										
<b>KEY STAGE</b>	Key Stage Three (3): Grades 7 to 10; Key Stage Four (4): Grades 11 to 12										
<b>EVENT TITLE</b>	<b>STEM Processes and Practices Exhibition</b>										
<b>NO. OF PARTICIPANT/S</b>	A team composed of two to three (3) learner-participants per school										
<b>TIME ALLOTMENT</b>	3 Hours (Creation of Outputs) 1 Minute Presentation, About 5 Minutes Q and A										
<b>PERFORMANCE STANDARD</b>	Obtain scientific and technological information from varied sources about global issues that have an impact on the country. Acquire scientific attitudes that will allow them to innovate and/or create products useful to the community or country. Process information to get relevant data for a problem at hand										
<b>21<sup>ST</sup> CENTURY SKILL/S</b>	Critical thinking, Communication skills, Creativity, Problem-solving, Collaboration. Information literacy, Technology and Engineering skills, and digital literacy.										
<b>CREATIVE INDUSTRIES DOMAIN</b>	Technology and Engineering										
<b>DESCRIPTION</b>	<p><b>STEM Processes and Practices Exhibition</b> is an NFOT event category of STEMAZING that allows learner-participants to apply science and mathematics thinking skills to solve problems that have local, national, and global impact. It allows them to become problem solvers by addressing social, scientific, and environmental issues through the application of STEM and 21st-century skills.</p> <p>In this activity, participants will be presenting oral and written proposed solutions to a given scenario.</p>										
<b>CRITERIA FOR PRESENTATION</b>	<table border="1"> <thead> <tr> <th>Criteria</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td><b>Written Proposal</b></td> <td rowspan="4">50%</td> </tr> <tr> <td>Content/Organization/Thematic Relevance</td> </tr> <tr> <td>Content - 25%</td> </tr> <tr> <td>Organization - 10%</td> </tr> <tr> <td>Feasibility of the proposed solution - 15% (Based on scientific, technological, and other valid assumptions, the Feasibility of the proposed solution)</td> <td></td> </tr> </tbody> </table>		Criteria	Percentage	<b>Written Proposal</b>	50%	Content/Organization/Thematic Relevance	Content - 25%	Organization - 10%	Feasibility of the proposed solution - 15% (Based on scientific, technological, and other valid assumptions, the Feasibility of the proposed solution)	
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	Relevance of data used	15 %
	<b>Oral Presentation</b>	
	Discussion / Arguments / Delivery <i>(Based on scientific, technological, and other valid assumptions, the Feasibility of the proposed solution)</i>	20%
	Ability to answer the questions	15%
	<b>Total</b>	<b>100%</b>

**EVENT RULES AND MECHANICS**

General Guidelines

1. The competition shall consist of proposal writing and One-Minute Presentation. The teams shall develop and present their proposal to the panel of judges of their solution to a real-world problem / scenario of local or global importance. The situation containing the problem shall be given on-site during the showcase.
2. The participants are given 3 hours to conceptualize and prepare their written description of the proposed solution for the oral presentation. All entries submitted shall not bear any markings that identify their school. The participants may use the internet and other printed resources in developing their written solution, however, the teams are not allowed to confer with their coaches while the activity is ongoing. Any form of communication between the participants and other parties (coach, parents, classmates, teachers, etc.) shall warrant automatic disqualification.
3. The proposed solution shall have the following components:

Title

Summary (100 – 200 Words)

Background and Problem (200 – 300 Words)

*(Describe the challenges and how the proposed solution addresses the problem presented. Scientific Principles and Technology applicable to the resolution of the problem.)*

Beneficiaries

Proposed Solution to the Problem Presented (300 – 500 words)

Methods/Details of the proposed solution including the Cost -Analysis as applicable.

Include illustrations, figures, and charts.





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References: May use any format as long as consistency is observed

4. The teams shall encode their proposals in word processing software, double-spaced using Bookman Old style font size eleven set in A4 size paper. Margins shall be 1 inch on all sides of the paper. Within the 3 hours, the teams shall submit their outputs (electronic copy) to the facilitators.
5. The proposals shall be subjected to a plagiarism check. Any proposals that exceed 15% similarity index (uncited) shall be deducted 2 points from the total score for every percent in excess. However, cited references shall be excluded from the 15% tolerance.
6. The submitted proposals shall be evaluated by the assessors before the oral presentation.
7. A timer board shall be shown to the public as well as to the participants.
8. At the end of one minute, a buzzer shall signal that the time for presentation is up and the participants shall immediately stop presenting.
9. After the presentation, the assessors will ask questions for clarification.
10. The participants will be ranked based on the combined scores in the written and oral presentation where the highest scorer will be ranked first and so on.
11. In addition to recognizing exemplary performance of learner-participants, a recognition merit system shall be implemented as follows:
 

97 – 100	Excellent Award (Gold medal)
94 – 96	Very Good (Silver)
90 – 93	Good (Bronze)
Below 90	Certificate of Recognition as Division Finalist

**Resource Requirements**

	<b>Participants</b>	<b>Host School / Venue</b>
<b>Attire</b>	- Plain White Shirt	STEM Center, Dr. Clemente N. Dayrit Elementary School
<b>Tools and Equipment</b>	- Computer/ Laptop/ - Notebook/ books and other printed resources, pocket Wi-Fi - Printer - Bond papers	- Timer - Multimedia projectors, - Printer - Sound System - Adequate electrical outlets, extension cords
<b>Physical Facilities</b>		- Hall with stage, one holding room,

