



Republika ng Pilipinas
Kagawaran ng Edukasyon
REHIYON V

TANGGAPANG PANSANGAY NG MGA PAARALAN NG LUNGSOD NAGA

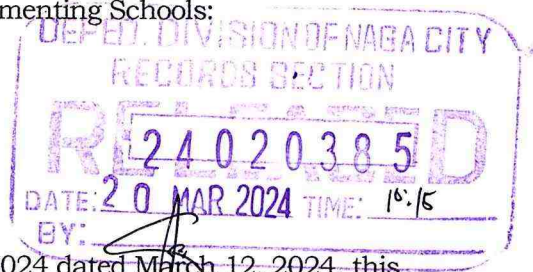
March 20, 2024

DIVISION MEMORANDUM

No. 97, s. 2024

**STEMAZING: SCIENCE PROCESSES AND PRACTICES ORIENTATION, TRAINING,
AND EXHIBITION (DFOT SCIENCE AND MATHEMATICS CATEGORY)**

To: Assistant Schools Division Superintendent
Chief Education Supervisors
CID, SGOD, and OSDS Personnel
School Heads of STE Program/STEM Strand Implementing Schools:
Camarines Sur National High School
Cararayan National High School
Concepcion Pequeña National High School
Naga City Science High School
Naga City School of Arts and Trades
All Others Concerned



1. With reference to the DepEd Memorandum 19, s. 2024 dated March 12, 2024, this Office provides guidance on the conduct of the Division Festival of Talents in Science and Mathematics Category: STEMazing, and Orientation on April 10-12, 2024 in **SDO Conference Room**.
2. This activity shall facilitate division preparation and selection of participants to the regional level of the STEMazing Category of RFOT, and assess the readiness of the STEM schools in Naga City Division to exhibit the Science and Mathematics performance standards covered in the STEMazing event.
3. School Heads are advised to note the following schedule of activities related to the conduct of the STEMazing Event.
March 25, 2024 4:00 P.M.: Conference Meeting with the Committee Chairs of the Technical Working Group
April 10-11, 2024: Orientation and Training for select participants
April 12, 2024: Exhibition
4. Enclosures are included for reference.
Enclosure 1: Activity Matrix/ Program of Activities
Enclosure 2: Number of Expected Participants
Enclosure 3: Committees and Technical Working Group
Enclosure 4: STEMazing Implementing Guidelines
5. Expenses relative to the conduct of the activity shall be charged against local funds subject to the usual accounting and auditing rules and regulations.
6. Immediate dissemination of and strict compliance with this Memorandum is directed.

For: [Signature]

SUSAN S. COLLANO CESO V
Schools Division Superintendent

DM 31, s. 2019 LH Rev. 01



Roxas Avenue, Brgy. Triangulo, Naga City, Camarines Sur

0981 630 0070

naga.city@deped.gov.ph





Republika ng Pilipinas
Kagawaran ng Edukasyon

REHIYON V

TANGGAPANG PANSANGAY NG MGA PAARALAN NG LUNGSOD NAGA

Enclosure 1: Division Memorandum No. 20, s. 2024 STEMAZING: SCIENCE PROCESSES AND PRACTICES ORIENTATION, TRAINING, AND EXHIBITION (DFOT SCIENCE AND MATHEMATICS CATEGORY)

ACTIVITY MATRIX/ PROGRAM OF ACTIVITIES

A. Conference Meeting (March 25, 2024, 4:00 P.M.)

B. Program

	April 10	April 11	April 12
8:00-8:10	Registration	MOL	Preliminaries
8:10-8:30	Preliminaries National Anthem Opening Prayer DepEd Quality Policy Attendance Checking (Committee Chair) Opening Message (CES, CID)	Research Paper Format and Plagiarism Testing Dr. Rhea SB. Samino EPS, Science	STEMazing: Science Processes
8:30-9:45	Orientation of Mechanics (EPS, Science)		
9:45-10:00	Health Break		
10:00-11:30	<i>Identification of Global Issues that Impact the Country</i> Prof. Jo-Ann M. Cordovilla Bicol University, College of Science	<i>Presentation and Exhibition Techniques</i> Dr. Corazon Fatima A. Silerio EPS & NEAP Facilitator	
11:30-12:00	<i>Finding and Curating Sources of Technological and Scientific information</i> Engr. Eugene Rivera Powermac, ISEF Winning Researcher		
12:00-1:00	Lunch Break		
1:00-1:15	MOL	MOL	
1:15-2:45	<i>Innovation vs. Invention as Technological Response to Community Needs</i> Dr. Johnny T. Samino International Science & Engineering Fair Winning Coach	WORKSHOP and Cliniquing	STEMazing: Exhibition
2:45-3:00	Health Break		Health Break
3:00-4:50	<i>Choosing Appropriate Statistical Tools</i> Dr. Noel Balares EPS, Mathematics		Awarding and Closing Activity Closing Message (ASDS)
4:50-5:00	Evaluation	Evaluation	Evaluation

24020385
20 MAR 2024

DM 31, s. 2019 LH Rev. 01



☑ Roxas Avenue, Brgy. Triangulo, Naga City, Camarines Sur
☎ 0981 630 0070
✉ naga.city@deped.gov.ph





Republika ng Pilipinas
Kagawaran ng Edukasyon
REHIYON V

TANGGAPANG PANSANGAY NG MGA PAARALAN NG LUNGSOD NAGA

Enclosure 3: Division Memorandum No. 22, s. 2024 STEMazing: Science Processes and Practices Orientation, Training, and Exhibition (DFOT Science and Mathematics Category)

Committees and Technical Working Group

A. EXECUTIVE COMMITTEE

SUSAN S. COLLANO CESO V	Schools Division Superintendent
FERNANDO C. MACARAIG	Asst. Schools Division Superintendent
MARY ANN B. ROSAURO	Administrative Officer IV
ANNA LIZA F. ABULOC	CID Chief
MICHAEL A. DEL ROSARIO	SGOD OIC-Chief

B. TECHNICAL WORKING GROUP

Committee on Secretariat			
Name	Designation	Terms of Reference	Output
Rhea Samino	Chair	Preparation and management of the documentary requirements as needed in the preparation activities	Completed documentary requirements
Noel Balares	Co-Chair		
Sanshine Repotante	member		
Edna Marie C. Banta	member		
Committee on Program			
Glenda Joy G. Plofino	Chair	Prepare and manage the program flow of the activity	Program management
Robert E. Benito	Co-Chair		
Committee on Food			
Joy Fabay	Chair	Manage the receipt of the food delivered, and the distribution of the food to the participants	Distribution of food to the participants
John Roy Galvez	Co-Chair		
Committee on Certificates and Awards			
Raphael G. Acabado	Chair	Prepare the certificates and medals for the participants of the activity	Prepared and arranged certificates and medals
Darrell Murcia	Co-chair		
Committee on Documentation			
Reymond Ian Morata	Chair	Prepare narrative and documentation report	Submitted Narrative and Document report
Rodrigo Buere Jr.	Co-Chair		
Committee on Invitation, Registration and Ushers			
Jay-Ron Piamonte	Chair	Send the invitation Program, set up and manage registration, check the attendance, and guide the visitors in their assigned areas.	Distributed invitation, accomplished registration and attendance sheets
Michelle D. Lee	Co-Chair		
Committee on Hall Management and Tarpaulin			
Oliver Tres Reyes	Chair	Manage the hall preparation and restoration, including the design and setting up of the tarpaulin	Hall setup and tarpaulin
Aldrin Sahurda	Co-Chair		
Committee on Output Format, Results Tabulation and Recording			
Teresita S. Arlante	Chair	Check the output format, tabulate and record results of the presentation and exhibition, coordinate with the committee on awards	Checked output format, tabulated and recorded results forwarded to the committee on awards
Arlene T. Arriola	Co-Chair		
Committee on ICT Concerns			
Noe Dizon	Chair	Lead in the management and setup of the ICT devices to be used in the activity	Working and functional ICT Devices and Setup
Mark De Guzman	Co-Chair		
Benjie Reapor	Member		
Committee on Timer and Plagiarism Testing			
Jesus Guray	Chair	Manage and observe the time duration of each phase of the preparation and exhibition activity as required and conduct plagiarism tests on the submitted outputs prior to the exhibit	Required time checking and conducted plagiarism tests on the outputs
Erlene Racelis	Co-Chair		
Committee on Monitoring and Evaluation			
Maria Teresita Rentoy	Chair	Lead in the monitoring of the activity through online tool, onsite and process observation	Monitoring and evaluation report
Benedict Warren Ubante	Co-Chair		
Nancy Morada	Member		
Janet Barrios	Member		

24020385
20 MAR 2024

DM 31, s. 2019 LH Rev. 01



☑ Roxas Avenue, Brgy. Triangulo, Naga City, Camarines Sur
☎ 0981 630 0070
✉ naga.city@deped.gov.ph





Republika ng Pilipinas
Kagawaran ng Edukasyon
 REHIYON V

TANGGAPANG PANSANGAY NG MGA PAARALAN NG LUNGSOD NAGA

Enclosure 4: Division Memorandum No. 20, s. 2024 STEMAZING: SCIENCE PROCESSES AND PRACTICES ORIENTATION, TRAINING, AND EXHIBITION (DFOT SCIENCE AND MATHEMATICS CATEGORY)

STEMAZING IMPLEMENTING GUIDELINES

Category	Mode of Delivery	No. of Learner-Participant	No. of Teacher-Coach	Time Allotment
STEM Processes and Practices Exhibition	in-person	3	1	3 hours and 1 minute
Total		3	1	

COMPONENT AREA	Science, Technology, and Mathematics
KEY STAGE	Key Stage Three (3): Grades 7 to 10; Key Stage Four (4): Grades 11 to 12
EVENT TITLE	STEM Processes and Practices Exhibition
NO. OF PARTICIPANT/S	A team composed of three (3) learner-participants per region
TIME ALLOTMENT	3 Hours (Creation of Outputs) 1 Minute Presentation, About 5 Minute Q and A
PERFORMANCE STANDARD	Obtain scientific and technological information from varied sources about global issues that have 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
21ST CENTURY SKILL/S	Critical thinking, Communication skills, Creativity, Problem solving, Collaboration. Information literacy, Technology and Engineering skills and digital literacy.
CREATIVE INDUSTRIES DOMAIN	Technology and Engineering
DESCRIPTION	STEM Processes and Practices Exhibition 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. In this activity, participants will be presenting oral and written proposed solution to a given scenario.

24020385
 20 MAR 2024



Republika ng Pilipinas
Kagawaran ng Edukasyon
 REHIYON V

TANGGAPANG PANSANGAY NG MGA PAARALAN NG LUNGSOD NAGA

CRITERIA FOR PRESENTATION	Criteria	Percentage
		Written Proposal
	Content/Organization/Thematic Relevance	
	Content - 25%	
	Organization - 10%	
	Feasibility of the proposed solution - 15%	50%
	(Based on scientific, technological, and other valid assumptions, Feasibility of the proposed solution)	
	Relevance of data used	15 %
	Oral Presentation	
	Discussion/Arguments/Delivery	20%
	(Based on scientific, technological, and other valid assumptions, Feasibility of the proposed solution)	
	Ability to answer the questions	15%
	Total	100%

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 about 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 regions. 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 on – going. 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.)*

24020385
 20 MAR 2024





Republika ng Pilipinas
Kagawaran ng Edukasyon
REHIYON V

TANGGAPANG PANSANGAY NG MGA PAARALAN NG LUNGSOD NAGA

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.

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 which 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 clarifications.
10. The participants will be ranked based on the combined scores in the written and the oral presentation where the highest scorer will be ranked first and so on.
11. In addition to recognize exemplary performance of learner-participants, 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 National Finalist

24020385
20 MAR 2024





Republika ng Pilipinas
Kagawaran ng Edukasyon
REHIYON V

TANGGAPANG PANSANGAY NG MGA PAARALAN NG LUNGSOD NAGA

RESOURCE REQUIREMENTS			
	Participants	Host School / Venue	Host Division / Region
Attire	- NFOT T-shirt or Plain White Shirt (Finalized on the day before the competition)		
Tools and Equipment	- Computer/ Laptop/ - Notebook/ books and other printed resources, pocket Wi-Fi	- Timer - 2 multimedia projectors, - Printer - fast internet connection, - Sound System - Adequate electrical outlets, extension cords	- plagiarism checker
Physical Facilities		- Hall with stage, one holding room,	
Others		- 2 reams Bond paper A4	- Utility expenses

24020385

20 MAR 2024

