



Republic of the Philippines
Department of Education
REGION XI
SCHOOLS DIVISION OF DAVAO DEL NORTE

Office of the Schools Division Superintendent

May 11, 2023

DIVISION MEMORANDUM

No. 0202, s. 2023


**GENERAL GUIDELINES FOR THE SCIENCE QUEST IN THE CONDUCT OF
2023 DIVISION FESTIVAL OF TALENTS**

To: Rebecca C. Sagot - Assistant Schools Division Superintendent
Eduard C. Amoguis, EdD - Chief, Curriculum Implementation Division (CID)
Education Program Supervisors
Public Schools District Supervisors

1. Relative to the Division Memorandum No. 0201, s. 2023 entitled Conduct of 2023 Division Festival of Talents on June 1-2, 2023 at Kapalong National High School for **Science Learning area**, attached herewith are the general guidelines on the two (2) events to be contested on the said activity to wit; (a) Science Quiz Bee and (b) STEMAZING and the list of the working committees.
2. In conducting the different DepEd Programs, Projects and Activities (PPA's), the Equal Opportunities Principle (EOP) and strict safety and healthy protocols shall be observed at all times.
3. Immediate dissemination of this memorandum is desired.

REYNALDO B. MELLORIDA, CESO V
Schools Division Superintendent

For the Schools Division Superintendent:


REBECCA C. SAGOT , CESO VI
Asst. Schools Division Superintendent



CID/eghl





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Enclosure to DM No. 0202 s, 2023

I. GENERAL GUIDELINES FOR SCIENCE QUEST

1. All contestants, coaches and coordinators should register in the Google Sheet provided.
2. All coaches of different events are not allowed to enter the event area while the contest is on-going. Only the judges, arbiters, facilitators and officials are allowed inside the event area.
3. A contestant can qualify for only one (1) contest event.

EVENTS:

A. DIVISION SCIENCE QUIZ BEE (DIVISION LEVEL ONLY)

1. Only the top two (2) district quiz winners in the elementary and secondary can participate in the quiz bee.
2. There will be only one round for Science Quiz for 30 minutes only. In case of a tie, another set of questions will be given.

B. STEMAZING

Implementing Guidelines on STEMAzing

The category, mode of delivery, number of learner-participants and teacher-coaches, and time allotment for STEMAZING per region are the following:

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
Total		3	1	





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STEMAZING

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



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 skills and digital literacy.																	
CREATIVE INDUSTRIES DOMAIN	Creative Services																	
DESCRIPTION	<p>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 21st century skills.</p> <p>In this activity, participants will be presenting oral and written proposed solution to a given scenario.</p>																	
CRITERIA FOR PRESENTATION	<table border="1"> <thead> <tr> <th>Criteria</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td colspan="2">Written Proposal</td> </tr> <tr> <td>Content/Organization/Thematic Relevance (Based on scientific, technological, and other valid assumptions, Feasibility of the proposed solution)</td> <td>50%</td> </tr> <tr> <td>Relevance of data used</td> <td>20%</td> </tr> <tr> <td colspan="2">Oral Presentation</td> </tr> <tr> <td>Discussion/Arguments/Delivery (Based on scientific, technological, and other valid assumptions, Feasibility of the proposed solution)</td> <td>20%</td> </tr> <tr> <td>Relevance of data used</td> <td>10%</td> </tr> <tr> <td>Total</td> <td>100%</td> </tr> </tbody> </table>		Criteria	Percentage	Written Proposal		Content/Organization/Thematic Relevance (Based on scientific, technological, and other valid assumptions, Feasibility of the proposed solution)	50%	Relevance of data used	20%	Oral Presentation		Discussion/Arguments/Delivery (Based on scientific, technological, and other valid assumptions, Feasibility of the proposed solution)	20%	Relevance of data used	10%	Total	100%
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EVENT RULES AND MECHANICS

General Guidelines

1. The showcase 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.)
 - 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.





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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.			
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





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II. MEMBERS OF THE DIVISION WORKING TEAM

EXECUTIVE COMMITTEE (EXECOM)

Honorary Chair : Dr. Reynaldo B. Mellorida , CESO V- Schools Division Superintendent
 Vice Chairperson: Dr. Eduard C. Amoguis - Chief – CID
 Members: Dr. Evelyn Grace Labasan - EPS –Science
 Dr. Evelyn P. Lucas - Principal III – Kapalong NHS
 Dr. Ana Redaniel - PSDS – Kapalong East District

Chairman: Dr. Evelyn Grace Labasan - EPS

Co- Chair: Vanessa Joy R. Toriales – District Science Coor, Kapalong East District

EVENT FACILITATORS:

A. STEMAZING

Chair: Dr. Melchor Alamis - Dujali NHS, B.E. Dujali District
 Members: Dr. Sidney Daray - Sagayen NHS, Asuncion District
 Suzette Villarino - Sto. Tomas NHS, Sto. Tomas West District

B. SCIENCE QUIZ BEE

GRADE 3 - Janeth Madulara - Magatos IS, Asuncion District
 Aileen Theresa Carungay - Carmen CESSC, Carmen District

GRADE 4 - Liza Carpina - Sto. Tomas CESSC, Sto. Tomas West District
 Melona Pongase , Linao ES , San Isidro District

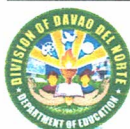
GRADE 5 – Bernadelyn Perez - Sto. Nino CES, Talaingod District
 Rosalie Gumapac , New Corella CESSC , New Corella District

GRADE 6 - Jubie Nardo - Dujali CES, B.E. Dujali District
 Maricel Celi , Nafco CES , Sto. Tomas East District

GRADE 7 - Anivic Manile - Semong NHS, Kapalong West District
 Benny Rose Torremocha , Cabadiangan IS , Talaingod District

GRADE 8 - Rhodalyn Bacote - Sawata NHS, San Isidro District
 Jaysyl Dubalan , Benigno Martir NHS , Langilan District

GRADE 9 - Zennifer Otig - Asuncion NHS, Asuncion District
 Sarah Jane Bain , Anibongan NHS , Carmen District





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GRADE 10 - Karen Grace Manaay - New Corella NHS, New Corella District
Salome Dapat -Antonio V. Fruto NHS , B.E Dujali District

GRADE 11/12 - Zerlyn Ruth Solis - Kimamon NHS, Sto. Tomas East District
Lilia Ganade - Sto. Tomas NHS , Sto. Tomas West District

C. DOCUMENTATION IN-CHARGE : Host School – Kapalong NHS

D. Registration/ Tabulation / awards :

Cristine Grace Calumba -Maniki CESSC, Kapalong East District
Ruby Jean Rebote - Tiburcia ES , Kapalong West District

E.Certificates of Participation, Merit, Recognition, Appreciation, Appearance

Vanessa Joy Toriales -Kapalong NHS, Kapalong East District
Aiko Permito - Patel ES , Langilan District

