



Republic of the Philippines  
**Department of Education**  
Region V  
**SCHOOLS DIVISION OF SORSOGON**

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August 28, 2024

**DIVISION MEMORANDUM**

No. 186, s. 2024

**DIVISION STEMAZING COMPETITION FOR SCHOOL YEAR 2024- 2025**

To: Assistant Schools Division Superintendent  
CID and SGOD Chiefs  
Education Program Supervisors  
Public Schools District Supervisors/ OIC-PSDSs  
School Heads of STE/ STEM implementing schools  
Secondary School Heads of Public and Private Schools  
Teachers

1. In its effort to support the **DepEd MATATAG Agenda: MA**ke the curriculum relevant to produce competent and job-ready, active, and responsible citizens, and the SDO-Sorsogon Superintendent's Division Change Plan/ Leadership Agenda, **The VILLAGE, INC** which is a proactive mechanism engaging active partners to provide quality and relevant education for school children, this Office is spearheading a significant activity that promotes Science, Technology, Engineering and Mathematics consciousness and develop culture of science research and innovation among learners through the conduct of the annual **Division STEMAZING Competition for SY 2024-2025 on September 19-20, 2024 at Bulan National High School, Bulan, Sorsogon.**
2. The Division STEMAZING Competition will enable the participants to:
  - a. develop STEM and 21<sup>st</sup> century skills such as Critical thinking, Communication skills, Creativity, Problem-solving, Collaboration. Information literacy, Technology and Engineering skills, and digital literacy in designing solutions to real-world problems that have local, national, and global impact.
  - b. acquire scientific attitudes that will allow them to innovate and/or create products useful to the community or country.
  - c. provide avenue for intellectual competitiveness in undertaking quality science research and innovation projects; and
  - d. identify the most innovative research/ researcher to represent the division in the Regional STEMAZING Competition.

3. Participants to this activity are science student-researchers and their coaches from STE/ STEM and other public and private schools, the members of the Division Scientific Review Committee (DSRC)/ Board of Judges, and the TWG/ Facilitators.
4. Contestants are advised to bring pocket wifi, extension wire, printer and portable e-fan.
5. Enclosed are the schedule of activities, the contest guidelines/ mechanics and the members of the Division Scientific Review Committee (DSRC)/ BOJ and the TWG.
6. The members of the Division Scientific Review Committee (DSRC)/ BOJ, and plagiarism checker who shall be reviewing/ evaluating the research paper/project writeup and doing plagiarism check are entitled to a two-day service credits/ COC.
7. There shall be no registration fee. Meals and contest materials of the participants from public schools are chargeable against Division MOOE/ NLC Fund, while transportation and other incidental expenses of the participants from the schools in this activity shall be charged against the school MOOE/ local funds subject to the usual accounting and auditing rules and regulations. Meals and incidental expenses of participants from private schools shall be charged to their respective funds.
8. Cliniquing/ coaching sessions will be conducted with the 1<sup>st</sup> placer once a week (preferably every Wednesday/ Thursday) and as needed, starting September 26, 2024 and onwards (until the conduct of the RFOT-STEMazing) in the winning school with the Division Science and Math supervisors and invited resource persons.
9. For information and guidance of all concerned.

  
**WILLIAM E. GANDO, CESO VI**  
Schools Division Superintendent



Republic of the Philippines  
**Department of Education**  
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**SCHOOLS DIVISION OF SORSOGON**

Enclosure 1 to Division Memorandum No. 186, s. 2024

**DIVISION STEMazing COMPETITION FOR SCHOOL YEAR 2024- 2025**

September 19-20, 2024  
Bulan National High School  
Bulan, Sorsogon

**PROGRAM OF ACTIVITIES**

<b>Date/ Time</b>	<b>Activities</b>
<b>Day 1: September 19, 2024</b>	
7:30- 9:00	Registration
9:00-10:30	Laptop inspection, Internet connectivity check
10:30-11:30	Opening Program and Orientation
1:00- 4:00	Presentation of problem (Oral) Contest Proper: 3-hour Scientific Research Proposal Writing
4:00- 5:00	Submission of writeup/ output (softcopy and hardcopy * Printing of writeup/ output
5:00 pm onwards	Plagiarism checking Pre-assessment/ evaluation of scientific research output
<b>Day 2: September 20, 2024</b>	
7:30- 8:00	Preliminaries
8:00-12:00	Oral Presentation of Research Project Proposal
1:00-3:00	Cont. Oral Presentation
3:00-3:30	Tabulation of Results
3:30-4:30	Closing Program/ Awarding of Winners
4:30 onwards	Home sweet home

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Enclosure 2 to Division Memorandum No. 186, s. 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 (STEMazing)</b>
<b>NO. OF PARTICIPANT/S</b>	There shall only one entry (a team composed of two to three learner-participants) per school.  For STE/ STEM implementing schools, participants may either come from STE Program or STEM strand.
<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>	<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.  In this activity, participants will be presenting oral and written proposed solutions to a given scenario.

CRITERIA FOR PRESENTATION	Criteria	Percentage
	<b>Written Proposal</b>	
Content/Organization/Thematic Relevance Content - 25% Organization - 10% Feasibility of the proposed solution - 15% (Based on scientific, technological, and other valid assumptions, Feasibility of the proposed solution)		50%
Relevance of data used		15 %
<b>Oral Presentation</b>		
Discussion/Arguments/Delivery (Based on scientific, technological, and other valid assumptions, Feasibility of the proposed solution)		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 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 divisions. 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 proposal 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 Regional Finalist



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Enclosure 3 to Division Memorandum No. 186, s. 2024

**DIVISION STEMazing COMPETITION FOR SCHOOL YEAR 2024- 2025**

*September 19-20, 2024*

*Bulan National High School, Bulan, Sorsogon*

**DIVISION SCIENTIFIC REVIEW COMMITTEE (DSRC)/ BOARD PF JUDGES/TWG**

**A. Division Scientific Review Committee (DSRC)/ Board of Judges/ Facilitators**

Joland L. Dellomas- School Head, Gabao NHS  
Michael G. Oseo- School Head, Magallanes NVHS  
Hilger O. Tarraya- School Head, San Juan NHS  
Jerry G. Firmanes- EPS, Mathematics  
Maricel M. Dineros- EPS, English  
Michelle H. Guadamor- EPS, Science

**B. Contest Facilitators:**

***Plagiarism Checker/ Facilitators:***

Kevin H. Ojos- Teacher, Lajong NHS  
Severino R. Cantuba- Teacher, Juban NHS

***Stage/ Hall and Facilities/ Equipment Preparation, and Documentation/  
Registration/ Attendance/ Opening and Closing Program/ Awarding***

Jenny B. Balona- ASP-JHS, Bulan NHS  
Welimen C. Oseo- Head Teacher VI, Bulan NHS  
Maria Charlene D. Dipad- MT-II/ ASP-designate- SHS, Bulan NHS  
Arian G. Granado- T-III/ STEM SGH, Bulan NHS  
Alma G. Gilana- Head Teacher- III (Mathematics), Bulan NHS  
Helena G. Glina- Teacher-III/ Science Coordinator, Bulan NHS  
Bulan NHS Personnel

***Tabulation of Results/ Certificates/ Awards***

Michelle H. Guadamor - EPS- Science  
Jerry G. Firmanes - EPS- Mathematics  
Michael G. Oseo- School Head, Magallanes NVHS

**Program Co-Chair:** Jenny B. Balona- ASP-JHS, Bulan NHS  
Welimen C. Oseo- Head Teacher VI, Bulan NHS  
Maria Charlene D. Dipad- MT-II/ ASP-designate- SHS, Bulan NHS

**Overall Program Co-Chair:** Alex A. Rodriguez- Principal-III, Bulan NHS  
Jerry G. Firmanes - EPS- Mathematics  
Michelle H. Guadamor - EPS- Science



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Enclosure 4 to Division Memorandum No. 186, s. 2024

DIVISION STEMazing COMPETITION FOR SCHOOL YEAR 2024- 2025

September 19-20, 2024
Bulan National High School, Bulan, Sorsogon

OFFICIAL LIST OF PARTICIPANTS

School:
School Head:

District:
PSDS:

Table with 4 columns: Number, Name of Contestant and Coach, Grade Level/ SHS Strand, Signature. Row 4 is designated for the Coach.

Submitted/ Endorsed by:

Signature Over Printed Name of School Head/
Public Schools District Supervisors

Date:

Note: There shall only have 1 team entry (with 3 contestants) per STE/STEM school. The contestants may come from either JHS-STE or SHS-STEM.

