

Department of Education

Region V

SCHOOLS DIVISION OF SORSOGON

November 9, 2023

DIVISION MEMORANDUM No. 253 s. 2023

2023 DIVISION MATH FAIR

TO:

Asst. Schools Division Superintendent

Chiefs, CID and SGOD

Education Program Supervisors/Division Coordinators

PSDS/OIC-PSDS

Elementary and Secondary School Heads

All others concerned

- 1. Pursuant to Regional Memorandum No. 657 s. of 2023 RE: Regional Math Fair 2023, this Office, through the Curriculum Implementation Division will conduct the Division Math Fair for S.Y. 2023-2024 on December 11, 2023 at Prieto Diaz Central School, Prieto Diaz, Sorsogon with the theme: Developing "MATHatag Bicolano Learners".
- 2. The Fair is open to both public and private elementary and secondary schools and will be conducted following the matrix below.

Event	Date of submission/conduct	Platform for the conduct of the activity/submission of entries	
MathDokyu (Video Production of Best Practices in Numeracy Program) Categories: 1. Elementary 2. Secondary	December 5, 2023 December 5, 2023	Online submission: (link will be provided)	
e-Modulo Art Design 1. Elementary 2. Secondary	December 11, 2023	face-to-face	
MATHEM	ATICS SHOWCASE		
Math Device 1. Students Category(Secondary) 2. Teacher Category A. Elementary	December 11, 2023	face-to-face	



Balogo Sports Complex, Balogo, Sorsogon City, Sorsogon 4700

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B. secondary			
Math Puzzle Students' Category (Secondary)	December 11, 2023	face-to-face for the Oral Presentation	
Math Games Students' Category (Secondary)	December 11, 2023	face-to-face for the Oral Presentation	
Math Quiz 1. Grade 6 2. Grade 7-10 3. Grade 11 or 12	December 11, 2023	face-to-face(Oral)	

- 3. There shall only be one (1) entry or participant for each event per municipality except for Math Quiz in the Secondary level where two (2) participants are allowed, one (1) coming from big school in the Municipality and another one from the First Place winner in the municipal cluster elimination.
- 4. Judging of the Division entries for the MathDokyu will on December 6, 2023, while the awarding will be on December 11, 2023 at Pto. Diaz Central School.
- 5. There shall only be one declared winner for the first, second third, fourth and fifth place. Multiple Winners shall only be allowed starting from the sixth place.
- 6. The following enclosures adapted from Regional Memorandum No. 657 S. 2023 are provided for reference and guidance.

Enclosure 1 Mechanics and Contest Guidelines for Math Dokyu(Video Production of Best Practices)

Enclosure 2 Mechanics and Contest Guidelines for the e-Modulo Mechanics and Contest Guidelines for the Mathematics Showcase

Enclosure 4 Mechanics and Contest Guidelines for the Math Quiz Enclosure 5 Technical Working Group

- 7. Those who will be involved in this activity shall observe minimum health protocols as required.
- 8. In order for a smooth and organized conduct of the activity, the Technical Working Group are expected to attend a meeting on November 21, 2023 at SDO Conference Hall, 2nd Floor SDO Building, Balogo, Sorsogon City.
- Expenses incurred relative to the participation and conduct of this activity is chargeable against local funds/MOOE and or other sources subject to the usual accounting and auditing rules and regulations.



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- 10. Participation of schools/district is on voluntary basis only.
- 11. For information and immediate dissemination.

WILLIAM E GANDO, CESO VI Schools Division Superintendent



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Enclosure 1:

Mechanics and Contest Guidelines for the 2023 MATHDOKYU CONTEST (Video Production of Best Practices in Numeracy Program)

- 1. The contest is open to all teachers from both public and private schools.
- 2. Each division may submit a video of the Best Practices of school/teachers in teaching Mathematics and in implementing the Schools' Numeracy Program in the following categories:
 - a. Elementary
 - b. Secondary
- 3. Winners and participants from the two previous Regional Math Fairs may still join presenting the same school program/project/activity provided the video is entirely new and shall present new highlights, activities, programs, and accomplishments. In this case, the team shall mention in the first part of the video that the presentation contains program/project/activity that was already included in the entry in the previous Math Fairs.
- 4. The team shall be composed of at most three (3) teachers (including the narrator/presenter).
- 5. The Video should cover the following parts as indicated in this order:

a. Introduction

- Background information of the best practices with the reason how and why the project is carried out.
- Basis of the concept behind the project
- Discussion of the problem/s addressed
- Specific objectives and significance of the project.

b. Presentation

- Best practices employed during the time of pandemic and beyond
- Description of the best practices
- Persons involved
- Target beneficiaries
- Time duration of the project

c. Strategies employed

- Discussion of how the project was implemented
- Presentation of the strategies done to attain the goal/s of the project

d. Results and Discussion

- Narration of the outcomes and outputs of the activities
- Discussion of the results of the activities
- Description and interpretation of the significance of the results
- Discussion of whether the objectives were met or not.







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e. Impact to Teaching and Learning

- Description of changes and improvements attributable to the project
- Description of the possible long-term effect/s of the project

f. Sustainability Plan

- Description of the strategies to continue the project
- Recommendation on how the project/s will become long term
- Suggestions for related activities and projects to help improve the current project

g. References

- Citations of the reference/s used in carrying out the project/activity/ies.
- The video should be 7 to 10 minutes and the recording should be in MP4 or avi format.
- 7. There should only be one narrator/presenter in the video.
- 8. The video shall not contain any information that will reveal the name of the district and division to which the school is located. Only the name of the school may be shown in the video and/or mentioned in the script.
- 9. Each division may send a maximum of two (2) official entries in the Regional Level Competition, one (1) for elementary and one (1) for secondary.
- 10.Each entry shall be placed in a folder with the file name (DOKYU_Division_Category) and shall be sent via email at loydhartez.botor@deped.gov.ph. The file name of the video should be DOKYU_Category. The folder shall also contain a separate word file containing the following information:
 - Complete name of each member of the team: (Given Name, Middle Initial, Last Name)
 - Respective Position Title/Designation
 - School
 - Complete name of the School Head
 - Complete name of the PSDS
 - Coach: (Complete Name/School/Position)
- 11. Each entry shall be assigned a unique code which shall be made known to the Math supervisors prior to judging.
- 12. Only entries submitted on or before 5:00 PM of December 5, 2023 will be judged by the members of the board of judges.







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- 13. In case of a tie in the first to third place, the members of the board of judges shall break the tie. Only one entry will be declared as first, second, and third place respectively. More than one winner will only be allowed starting from the fourth place.
- 14. The decision of the board of judges is FINAL and IRREVOCABLE.
- 15. All submitted entries in the region shall be the property of the region for exhibition and instructional purposes.
- 16. The video shall be judged based on the following criteria:

A. Best Video

Criteria:

a. Relevance to Teaching and Learning 20%

(The video must be relevant to the Fair's theme)

b. Originality 20%

(The video must reflect the entrants' own words and may include personal experiences and observations. Video must reflect that the entrants has carefully analyzed the details of the presentation.)

C. Creativity

20%

(The video transcends traditional ways to come up with a new and excellent presentation)

d. Workmanship/Production

(The video is well planned with smooth transitions and edits. The sound is expertly balanced and easy to hear. All sound and visual elements blend with

the video's message.)

e. Over-all Impact

- <u>20%</u> Total 100 %

B. Best Video Presenter/Narrator

Criteria:

a. Diction:

- 25%

- 20%







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b. Voice quality/Enunciation of words:

c. Poise and Bearing

- 25%

d. Over-all Delivery:

- 25%

Total

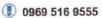
100%















Enclosure 2:

Mechanics and Contest Guidelines for the 2023 e-Modulo Art Design (e-MAD) Contest

The 2022 Regional e-Modulo Art Design Contest is based from the original concept of Computer-Based Modulo Art Design or CBMAD. This kind of art can be a "digital art" which refers to art that relies on computer-based generated design. For this contest, art design entries are restricted only to digital painting and all forms of computer-generated graphics. A computer software will be used to create the digital art that will be submitted via email by the participants and should follow the set of specifications indicated below. This contest is open to all bona fide students from public and private schools. Each division may send a maximum of two (2) official entries in the Regional Level Competition. (Only one entry per category)

A. General Qualification

The e-MAD contest is open to all bonafide learners in the Elementary (either Key Stage 1 or Key Stage 2) and Secondary (either Key Stage 3 or Key Stage 4) of DepEd Region V whether from public or private schools.

B. Participant's Design Entry

1. There will be two categories for the contest: 1) **Elementary** and 2) **Secondary.** Only one (1) contestant for each category per division is allowed. Design specifications per category are indicated below:

a. Elementary

Type:

Latin Square/ Grid Lines (Modulo 3)

Design:

Reflected

Operation: Ac

Addition

b. Secondary

Type:

*Based on the draw result

Design:

(Reflected)

Operation:

*Based on the draw result

*Committee will draw to reveal the Type (Latin, Converging, Standard and Circular), and Operation (Addition, Subtraction, and Multiplication to be used.

The committee shall provide the template for the design to be used by each contestant.







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C. Entry Specification

- Each contestant will do his/her art design on a designated laptop or PC with Office 365 application using only MS Office (Word, PowerPoint) and MS Paint.
- Contestants are only allowed to use the different shapes available in MS
 Office (Word & PowerPoint) but may combine 2 or more shapes to form
 another shape. Colored pictures or objects cropped from the computer or
 internet are not allowed.

D. Duration/Submission of Entry

- The contest shall not exceed 1 ½ hours. An additional ten (10) minutes shall be allotted for the submission of entry.
- 2. Coaches shall not be allowed at the contest venue 10 minutes before and after the contest.
- 3. Each entry shall be assigned a unique code which shall be made known to the Math supervisors prior to judging.

E. Criteria

The criteria for judging shall be as follows:

Artistry and Creativity	-	30%	
Originality	-	30%	
Appearance and Attractive	eness	-	15%
Color Harmony		15%	
Theme	-	10%	
Total		100	%

F. Proclamation of winners

- In case of a tie in the first to third place, the members of the board of judges shall break the tie. Only one entry will be declared as first, second, and third place respectively. More than one winner will only be allowed starting from the fourth place.
- 2. The decision of the board of judges is FINAL and IRREVOCABLE.
- All submitted entries in the region shall be the property of the region for exhibition and instructional purposes.







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G. Disqualification:

Entries will be disqualified if,

- a. Contestant did not follow the required type, design, and operation being used.
- b. Participant cropped an image/ graphics from computer or internet
- c. Participant used software other than MS Office.
- d. Entry was submitted beyond the allotted time.



CRITERIA		POINT	'S	
Artistry/ Creativity (30%)	26-30 pts	20-25 pts	11-19 pts	0-10 pts
Created new ideas, designs and patterns by combining different shapes from the computer.	Created a unique and interesting design based on more than 3 combined shapes. Did not copy from other's idea/design	Created a relatively unique design based from 3 combined shapes. Did not copy from other's idea/ design	Created unique design. Based from 2 combined shapes. A little similarity from other's idea/design	Have used only 1 shape for the design or have copied from other's idea/ design
Originality (30%)	26-30 pts	20-25 pts	11-19 pts	0-10 pts
Expressed his/her idea in an independent manner	The design is perfectly original and cannot be compared to any designs	Somewhat original. Design cannot be compared to another person's work	With little similarity to other person's work	No evidence of originality







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Appearance/ Attractiveness (15%)	13-15 pts	9-12 pts	5-8 pts	0-4 pts
Having a feature or quality that can attract or people would like.	The art is exceptionally attractive in terms of design and color	The art is attractive in terms of design and color	The art is acceptably attractive in terms of design and color	The art is poorly attractive in terms of design and color
Color Harmony (15%)	13-15 pts	9-12 pts	5-8 pts	0-4 pts
Represented a satisfying balance or unity. A combination of colors that exists in harmony and are pleasing to the eyes.	Used appropriate colors in the design. Blended different colors together to create a variety of textures and values	Used appropriate colors. Attempted to create a small variety of texture and values	Used minimal color for the design. Did not create a variety of texture and values.	Very dull and flat colors were used in the design
Relevance (10%)	8-10 pts	4-7 pts	1-3 pts	
The degree to which the design is related to the given theme.	The details of the design are provided and are relevant to the theme.	The details of design are not well related to the theme.	The details of design are not related at all to the theme.	









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Enclosure 3:

Mechanics and Contest Guidelines for the 2023 MATHEMATICS SHOWCASE (Device, Puzzles and Games)

- 1. The competition for **DEVICE** is open to Mathematics teachers (separate category for elementary and secondary) and high school students whether from public or private schools.
- The competition for PUZZLES and GAMES is open to all high school students whether from public or private schools.
- 3. Each team per category shall be composed of at most two (2) members (including the presenter).
- 4. Each division may send 1 official entry in the Regional Competition. One entry per category only.
- 5. The document to be submitted must contain a thorough description of how the device, puzzle or game may be utilized (including the procedures as applicable), the competency being addressed, how it can be addressed, the expected impact, documentation, and other important information. The last page of the document shall contain the name of the event, category, complete name of proponents, school, district, coach, School Head, and PSDS. Hard copy of the documents shall be placed in a short white folder and shall be submitted to the Secretariat at least an hour before the start of the oral presentation. Soft copy of the documents shall be emailed to Loyd H. Botor at loydhartez.botor@deped.gov.ph on or before 5:00 p.m. of December 5, 2023.
- 6. Soft copy of the entry shall be placed in a folder with a file name MATH SHOWCASE_ Division_Category and shall be sent via email at loydhartez.botor@deped.gov.ph. The file name of the file should be MATH SHOWCASE_ Division_Category. The folder shall also contain a separate word file containing the following information:
 - Complete name of each member of the team: (Given Name, Middle Initial, Last Name)
 - Respective Position Title/Designation







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- School
- Complete name of the School Head
- Complete name of the PSDS
- Coach: (Complete Name/School/Position)
- 7. Each entry shall be assigned a unique code which shall be made known to the Math supervisors prior to judging.
- 8. Only entries with soft copy of documents submitted on or before 5:00 p.m. of December 5, 2023 will be judged by the members of the board of judges.
- 9. In case of a tie in the first to third place, the members of the board of judges shall break the tie. Only one entry will be declared as first, second, and third place respectively. More than one winner will only be allowed starting from the fourth place.
- 10. The decision of the board of judges is FINAL and IRREVOCABLE.
- 11. All submitted entries in the region shall be the property of the region for exhibition and instructional purposes.
- 12. The Math Showcase (Puzzles, Games, and Device) will be judged on these criteria:

A		WORKMANSHIP/ PHYSICAL APPEARANCE	20%	
	1	Artistic quality	8 points	
	2	Appropriate, legible, and comprehensible labels, captions and letterings	7 points	
	3	Presentable	5 points	
		Sub-total		
В	ECONOMY		(10%; 5 pts/item)	
	1	Sustainability of the materials/applications used		
	2	Cost-effective		
		Sub-total Sub-total		







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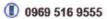
С		USABILITY/DURABILITY	(20%; 5 pts/item)
	1	Can be used in several teaching-learning situations and in different learning areas	
	2	Easy to manipulate	
	3	With clear and specific instructions	
	4	Can withstand long usage and several handling	
	5 4	Sub-total Sub-total	
D	RI	ELEVANCE TO INSTRUCTION/LEARNING	(30%; 5 pts/item)
	1	Gives accurate picture of Math concept it represents	
	2	Directly related to the objectives or an outgrowth of the concept learned	
	3	Significant to the concept under study	
	4	Appropriate to the learner's ability, interest, and experience	
	5	Stimulates learning	
	6	Helps develop concept, wholesome attitudes, and desirable values	
		Sub-total	
E		CREATIVITY	(20%: 5 pts/item)
	1	Shows innovativeness in concept development	
	2	Shows innovativeness in methodology/strategy	
	3	Shows innovativeness in the materials/applications used	
	4	Shows uniqueness	
		Sub-total	
		TOTAL RATING (PHASE I)	







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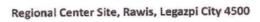


MATH	EMATICAL CONGRESS	(100%:20pts/ite m)
1	Skills in communication	
2	Self-confidence	
3	Alertness in answering questions	
4	Logical organization of the presentation	
5	Intellectual honesty and/or other moral values	
	TOTAL RATING PHASE II	
	PHASE II (100%) WEIGHT - 25%	
	SUMMARY OF RATINGS	
	PHASE I	
	PHASE II	
	OVER-ALL RATING	













Enclosure 4:

Mechanics and Contest Guidelines for the 2023 Math Quiz

- 1. The quiz is open to both public and private schools. Each division may send one contestant only per subject (Math 6, Math 10, and General Mathematics and Statistics and Probability).
- 2. Only bonafide students in Grade 6, Grade 10, and Grade 12 shall be sent by each division to compete in the 2023 Math Quiz for Grade 6, Grade 10, and Grade 12, respectively. During the competition, each contestant shall wear the prescribed School ID duly signed by the respective school head.
- 3. The quiz will cover the following learning competencies:
 - a.) Math 6 Math 5 MELCs and 1st & 2nd quarter MELCs in Math 6
 - b.) Math 10 Math 9 MELCs and 1st & 2nd quarter MELCs in Math 10
 - c.) Math (Senior High School) MELCs in General Mathematics and Probability and Statistics
- 4. The contest is divided into three parts, namely: Easy Round, Average Round, and Difficult Round. The table below shows the equivalent point/s for each question and the number of questions in each respective category.

Parts	Points	No. of Questions	Time Limit 30 secs per item	
Easy (multiple choice items)	1	10		
Average (multiple choice items or no more options)	2	10	60 secs. per item	
Difficult (no more options)	3	10	90 secs. per item	

5. Each division shall submit one question for each part (Easy, Average, and Difficult) or a total of three (3) items for Grade 6, Grade 10, and Grade 12.







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Each question shall be printed in a short-size bond paper with indicated Division and Grade Level and shall be properly labeled as Easy, Average, or Difficult. The questions may be given either in multiple-choice form, or no options such as, but not limited to, identification or problem solving. For the Grade 12 Math Quiz, each division shall ensure that the three quiz items include **AT LEAST ONE (1)** question each for General Mathematics and Probability and Statistics.

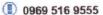
- 6. Each contestant shall bring a whiteboard (8 in x 12 in) and a whiteboard marker (black) where he/she can write his/her final answers during the contest. Sheets of scratch paper will be provided to each contestant. Contestant's code shall be indicated at the upper right corner of the white board all throughout the contest.
- 7. The quiz master shall read each question twice. The contestants are allowed to start answering while the question is being read. After the allotted time for each item, the contestants shall raise their final answer. The quizmaster shall announce the contestant's code with correct answer.
- 8. There shall be three (3) members of the panel of judges who will scrutinize the questions and answers of the contestants.
- Only the contestants are allowed to raise clarifications on the question and/or answer. The same shall be raised before the next question is read. The decision of the Panel of Judges is final and irrevocable.
- 10. Answers with wrong spelling and/or illegible are considered wrong. Final answers shall be written legibly.
- 11. Scores for the three rounds will be added to determine the winners. Results for each round shall be announced by the quiz master every end of the round.
- 12. There shall only be one winner for the first to third place. If there is a tie, a tie-breaking question will be given. The first contestant who will gain point over the other shall be considered as the winner in the tie-breaker. More than one winner will only be allowed starting from the fourth place.
- 13. Contestants who will violate relevant provisions indicated in this mechanics and guidelines shall be disqualified from the competition.







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Enclosure 5:

DIVISION MATHEMATICS SHOWCASE REVIEW COMMITTEE/ BOARD OF JUDGES/ TECHNICAL WORKING GROUP

A. Division Math Showcase Review Committee (DSRC)/ Board of Judges/

Math Dokyu:

MICHELLE H. GUADAMOR- Education Program Supervisor- Science SALVADOR B. BELEN JR- Project Development Officer MARICEL M. DINEROS- Education Program Supervisor- English

e-Modulo Art Design:

OWEN N. CASTILLO- Education Program Supervisor- AP ALVIN T. ROSARE- Education Program Supervisor- EsP REX T. BARBIN- Education Program Supervisor-SGOD

Mathematics Showcase (Puzzle/Games/Device)

MICHELLE H. GUADAMOR- EPS- Science SHARON A. VITO - EPS- Filipino, RODEL E. PANCHO- EPS, TLE ROLAN N. NIDEA- Principal I- Manlabong NHS FERMIN E. ESPALLARDO- Principal II – Bulusan NHS MA. LUISA C. AREVALO – ASP II -Donsol VHS JOHNY J. SO- EPS II- ALS NICANOR P. BAILON – EPS II- ALS GILBERT IAN Z. APOSTOL – EPS- LRMS

Math Quiz:

NERISSA FUNELAS- HT-III, Casiguran TVS
NENITA BAGADIONG- MT II- Buhang NHS
ARLENE ONTORIA- Principal I, Sta. Cruz NHS
CHERRY DETERA- HT III- Pto. Diaz NHS
ALMA D. GAJO- MT I- Bulusan NHS
GRACE E. PURA- MT I- Buhang NHS
LEO HUBILLA MT I- Gubat NHS
MELLANY PANGILINAN- MT II – Casiguran TVS
DOMINGO H. ENTERIA- Principal II- Quezon NHS
MARILOU E. GABARDA- HT III- Donsol NCHS
MARILOU J. FERRERAS- HT III- Gubat NHS
VERONICA V. HABULAN – MT II- Cumadcad NHS



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B. TWG/ Facilitators: (Registration & Attendance/ Awards/ Certificates/ Facilitators)

Registration & Attendance/ Awards/ Certificates/ Facilitators	Overall Chair
Noemi B. Lumbao- Principal II, Pilar NCHS Jocelyn Grace Dob- Principal I, Castilla NHS Mary Jeane Castillo- PII- Pto. Diaz NHS Ramon F. Lasala -T III, Mayon NHS Jocy Detecio-Pacris- T 3 Pto. Diaz CS Jay-Ar Doroliat- Pto. Diaz NHS Oliver Lucenario- Magallanes NHS Rycel G. Panesa- Gallanosa NHS	Marriane Z. Arines- OIC-PSDS Pto Diaz I Alma Fernando- Principal- Pto Diaz CS Jerry G. Firmanes- EPS, Mathematics



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