



Republic of the Philippines
Department of Education
REGION VII – CENTRAL VISAYAS
Schools Division OF NEGROS ORIENTAL

Office of the Schools Division
Superintendent

02 APR 2024

DIVISION MEMORANDUM

No. 0286, s. 2024

**CONDUCT OF RESEARCH COMPETITIONS IN MATHEMATICS AND
COMPUTATIONAL SCIENCES**

To: Assistant Schools Division Superintendents
Chief, CID and SGOD
Public Schools District Supervisors
All Others Concerned

1. This Office through the Curriculum Implementation Division (CID) announces the conduct of Division Research Competition in Math Computational Science on the following schedule:

- a. District Level - April 2024
- b. Congressional Level - July 2024
- c. Division Level - October 17, 2024

2. a. **District Level**- April 2024 -c/o PSDS -to identify District winners to participate in the Congressional Level (1 Individual and 1 Team Categories)

b. **Congressional Level**- July 2024 – to identify Congressional Winners to participate in the Division Level (1 Individual & 1 Team Categories). Presentation and judging will be done virtually via MS Teams/Google Meet/Zoom.

1st Cong -c/o Dr. Emelyn D. Bolongaita and all PSDSs of the 1st Cong
Judges: 1. Dr. Rolando Pacarro – PSDS Valencia District
2. Dr. Susana S. Austero- PSDS Sta. Cat. District 2
3. Dr. Beda Jovenciana Davad – PSDS Dauin District

2nd Cong -c/o Dr. Macrina Villaluz and PSDSs of the 2nd Cong
Judges: 1. Dr. Emelyn Bolongaita – PSDS Tayasan District 1
2. Dr. Henriquito Tepacia- PSDS Manjuyod District 2
3. Dr. Randy Dunque – PSDS La Libertad District 2

3rd Cong -c/o Dr. Rolando Pacarro and PSDSs of the 3rd Cong
Judges: 1. Dr. Macrina Villaluz- PSDS Sibulan District 1
2. Dr. Nida Bersabal – PSDS San Jose District
3. Dr. Andrea Luz Englis – PSDS Sibulan District 2



Address: Kagawanan Avenue, Capitol Area, Daro, Dumaguete City
Telephone Nos.: (035) 225-2838 / 225-2376 / 422-7644

epEd TAYO SDO Negros Oriental

negros.oriental@deped.gov.ph

www.depednegor.net



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- c. **Division Level- October 17, 2024 at Plaza Maria Luisa Suites Inn.** Judges will identify Division winners one (1) Individual and 1 Team Categories who will be representing SDO Negros Oriental in the regional level contest. Participants to the Division Level contest will be the winners from the three (3) congressional levels, coaches, school heads of winning schools, Judges from the three (3) congressional districts, staff and the Division Focal Person.

Individual Category	1 st Cong'l District			2 nd Cong'l District			3 rd Cong'l District			Total
	Learner/s	Coach	School Head	Learner/s	Coach	School Head	Learner/s	Coach	School Head	
	1	1	1	1	1	1	1	1	1	9
Team Category	3	1	1	3	1	1	3	1	1	15
Judges	3			3			3			9
Staff				1						1
DEPS				1						1
TOTAL										35

- d. **Provision of technical assistance to Regional Qualifiers – October 18, 2024 at Plaza Maria Luisa Suites Inn.**

- Travel and other incidental expenses relative to the conduct of the abovementioned activities incurred by the participants shall be chargeable against school MOOE/SEF/other available funds subject to usual auditing rules and regulations.
- Please see attachments for the mechanics and guidelines.
- For your compliance and guidance



NERI C. OJASTRO EdD, CESO V
Schools Division Superintendent
4/1/24


NCO/RVAV-EQA/CD-CAA/elb



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ATTACHMENT

A. Mechanics and Criteria of Mathematics and Computational Sciences

1. This competition is open to all Grade 9 – 12 students from both Public and Private Schools in the Schools Division of Negros Oriental.
2. Individual Category – 1 Learner and 1 Coach
Team Category - 3 Learners and 1 Coach
3. The two (2) major categories are Mathematics and Computational Sciences: Individual and Team Categories

B. Rubric Evaluation Tool

Criteria	Point
A. ORIGINALITY AND INNOVATION – 20%	
1. Does the project show originality and innovation in terms of: a. proposed approach in solving the problem? b. research design? c. research methodology? d. construction or design of a new or improve equipment?	
2. Did the research project considered an issue/problem/gap that previous research projects did not address?	
3. Does the project transform an idea or solution into a creative, unique and major improvement in the current technology/process/product/technique/design?	
B.1. TECHNICAL/SCIENTIFIC MERIT – 10%	
1. Is the problem stated explicitly and concisely?	
2. Was the approach to solve the problem supported by relevant, critical and logical related literatures (scientific basis/theoretical framework/mathematical theory)?	
3. Did the finalist/team cite sufficient number of credible related literatures to provide a solid understanding and pre-requisite information for readers to better understand the research project?	

4. Does the finalist/team recognize the projects' limitations?	
5. Does the analysis of background information with depth?	

Criteria	Point
B.2. ENGINEERING GOALS – 10%	
1. Does the project have a clear objective?	
2. Is the objective relevant to the potential user's needs?	
3. Is the solution workable? Acceptable to the potential user? economically feasible?	
4. Could the solution be utilized successfully in design or construction of an end product?	
5. Is the solution a significant improvement over previous alternatives or application?	
6. Will the solution be tested for performances under standardized protocols?	
3. COMMUNITY CONNECTION & IMPACT – 20%	
1. Did the project addressed a relevant research issue? (e. g. food safety, water conservation, cyber security, traffic road congestion, health, disaster mitigation, agriculture and environment and others)	
2. Did the student clearly defined the extent on how tie research project can potentially benefit and meet the needs of the society?	
3. Does the proposed solution gives value, effectiveness and efficiency to their target sector?	



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4. EXCELLENCE OF METHOD – 20%	
1. Does the critical elements (e. g. treatments, techniques, protocols, replications, trials) of the research design and methods appropriately developed?	
2. Does the project specifically and clearly explained what and how quantitative and qualitative data will be collected?	
3. Does the project recognize ethical or safety issues and has adequate plans to manage risks?	
4. Does the project include appropriate protocol/procedures for waste disposal and data analysis?	
5. Is the proposed timeline/workplan appropriate, achievable, practical and feasible?	

Criteria	Point
5. Presentation – 20%	
1. How clearly- and concisely does the finalist or team discussed his/her project and explain the rationale and procedures? Watch out of memorized speeches that reflect little understanding of principles.	
2. Does the written material reflect the finalist's or team's understanding of the research proposal?	
3. Are the important phases of the project presented in an orderly manner?	
4. How clearly is the rationale presented?	
5. How clearly are the research methods presented?	
6. Did the student used presentation resources as guide?	
7. Is the presentation professional with the use of colors, fonts and graphics?	
8. Did the student speaks clearly, maintains eye contact and uses appropriate scientific language?	
9. Did the studied provided clear, detailed and accurate answers to the questions given?	