



Republic of the Philippines
Department of Education
REGION III – CENTRAL LUZON
SCHOOLS DIVISION OF SCIENCE CITY OF MUÑOZ

November 11, 2024

SCHOOLS DIVISION MEMORANDUM
No. 38, s. 2024

SCHOOLS DIVISION SCIENCE AND TECHNOLOGY FAIR 2024

To: Assistant Schools Division Superintendent
Chief Education Supervisors
Public and Private Elementary and Secondary Schoolheads
All Others Concerned

1. For the information and guidance of all concerned, this office announces the conduct of Schools Division Science and Technology Fair 2024 with the theme ***Towards a Shared Vision: Exploring the Future for a Better Tomorrow*** on the following schedule:

Phase	Date	Time	Venue
1	November 16, 2024	8:00 am-5:00 pm	SDO Teachers Hall
2	December 5, 2024	8:00 am-5:00 pm	MNHS Main-Annex

2. The activity aims to
 - a. provide learners with opportunities to exhibit their learnings and further develop the learner's social, environmental and leadership skills and talents;
 - b. practice learners to go beyond classroom studies to do independent and collaborative project-based research which highlights their competence in the application of STEM process skills, design thinking skills and 21st century skills in the real- life settings; and
 - c. enhance learners' competence through healthy and friendly competition; and
 - d. identify the most creative and innovative student-researchers who shall represent the division to the Regional Science and Technology Fair.
3. Phase 1 participants are the one who will present their Tuklas: A research Project Fair, Innovation Expo: Gawad Aglitekno and STEMazing through a Research Congress, student researchers are advised to submit three (3) hard copies of their research paper on **November 14, 2024**, until 12:00 noon at the CID Office to be forwarded to the Board of Judges for advance reading. **(Note: For Public Secondary Schools only)**

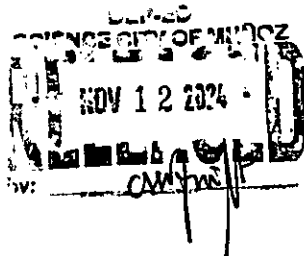


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3. The activity falls on Saturday, therefore teachers shall be given service credit based on DepEd Order No. 53, s. 2023 titled *Updated Guidelines on Grant of Vacation Service Credits for Teachers*.
4. For Phase 2 activities private schools' participants in science quiz bee competition may join the regular science class and it will start on Grade 3 level. However, SSES class may send 3 participants per grade level. Also, Mathematics Quiz will be conducted in this phase, the participants are grades 1 to 11 in public and private schools. There will be one (1) participant for grades 1 to 6 and two (2) participants for grades 7 to 11.
5. Enclosed to this Memorandum are the following:
 - No.1 General and Specific Contest Guidelines and Mechanics
 - No. 2 Categories and Maximum Number of Participants
 - No. 3 Program Management Team and Technical Working Group
 - No. 4 Program
 - No. 5 Program Matrix
6. This Memorandum will serve as the Authority to Travel of the participants.
7. For queries please communicate with Dr. Nelie D. Sacman, EPS-Science and Dr. Leilanie D. Tidalgo, EPS-Math through their messenger or cellphone numbers 09178729345 and 09636009845 respectively.
8. Immediate and wide dissemination of this Memorandum is earnestly desired.



JOHANNA N. GERVACIO PhD, CESO V
Schools Division Superintendent

Encl: As stated

Reference: None

To be indicated in the Perpetual Index
Under the following subjects:

Division Science and Technology Fair 2024

CID/ NDS-Contest Proper
09/November 11, 2024



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Enclosure No. 1 to Schools Division Memorandum No. 281, s. 2024

GENERAL CONTEST GUIDELINES

1. Each contestant shall be at the venue 15 minutes before the contest starts and shall register.
2. All contestants to Tuklas and Innovation Expo shall be in smart casual attire while contestants in other contests shall wear their school uniform and ID.
3. Only authorized persons are allowed to stay at the contest venue during the contest proper.
4. Contestants are not allowed to use cellular/mobile phones and the like during the contest proper.
5. The decision of the Board of Judges is final and unappealable.
6. For Tuklas and Innovation Expo guidelines (Please refer to RM 683 s. 2024)

SPECIFIC CONTEST GUIDELINES

SCIENCE QUIZ (G3-G11)/ (G1-G6 SSES)

1. Participants to the Science Quiz are the schools' 1st place winners in all grade levels during their School Science and Technology Fair.
2. The contest shall be conducted in a Quiz Show Format.
3. There shall be three (3) rounds for all categories: EASY, AVERAGE, and DIFFICULT. Each correct answer in every round will be given corresponding points, to wit:

Easy **1 point**
Average **3 points**
Difficult **5 points**

4. Each contestant is expected to bring sheet of long bond paper and marker in writing his/her answers.
5. Each question must be answered within the time allocated for it. Ten (10) seconds for the easy round,
twenty (20) seconds for the average questions and thirty (30) seconds for the difficult questions.
Quizmaster shall read each question twice and the time shall start only after the quizmaster says "GO".
6. The contestant must write his/ her final answer on the ¼ sheet of long bond paper. If a contestant wishes to change his/ her answer, the former answer should be erased and the final answer is written.
7. All the answers must be spelled out correctly to be considered correct. If the answer is a proper noun,
capitalization of the first letter of the word is also a basis in declaring an answer correct.



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8. Questions shall indicate the number of significant figures for numerical answers. Use of calculators is not allowed.
9. After the time limit has expired, each contestant must pass his/her paper before the quizmaster reads the correct answer. The proctors shall read and acknowledge whether the answer of each contestant is correct or not.
10. If there is a question on the correctness of the answer, the validity of the answer will be determined by the Board of Judges if needed.
11. The total score of a contestant after three rounds shall be his/ her score. The contestant with the highest final score shall be declared as the first-place winner, the second highest-second place winner, the third highest- third place winner, and so on.
12. In case of tie, the Clincher Round shall be played. It will be a knockout system between or among the contestants with equal scores until a winner emerges. The first one who can answer correctly will be declared the winner.
13. The duly registered coach of the contestant is the only person authorized to file a protest. All protests shall be referred to the Board of Judges before the quizmaster reads the next question.
14. Any DepEd personnel related by affinity or consanguinity (up to the third degree) to any contestant shall be disqualified in any of the committees involved in the planning and preparation of questions for the quiz nor can they act as coach of any contestant.
15. Any violation of the aforementioned rules shall cause the disqualification of the contestant concerned.

SCI-ART CONTEST (G6)

1. Only one (1) contestant per grade level/ school shall participate in the contest.
2. The contest will revolve around the theme which will be announced by the contest administrator during the contest proper.
3. The medium for visual artistry shall be oil pastel only. Pencil can be used for sketching. The required base paper to be used during the contest, however, is an illustration board (size 1/4).
4. The contestants will bring their own materials during the competition. Borrowing of materials from other contestants shall not be allowed.
5. The allotted time for the contest is one and a half (1 1/2) hours, after which all entries shall be submitted to the contest administrator. Contestants may decide to submit his/ her sci-art earlier without waiting for the lapse of time allotted. Late submission shall be deducted 1% from the total for every extension of five (5) minutes. A fraction of five (5) minutes shall already be considered five (5) minutes for purposes of the deduction.



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6. Each Sci- Art shall be identified by a number that corresponds to the number which identifies the

contestant for the judging process.

7. Decision of the Board of Judges is FINAL.

8. Criteria for the Sci-Art

Originality of Idea	40%
Relevance to the Theme	40%
Overall Impact	20%
TOTAL	100%

ESSAY WRITING CONTEST (G 10 and G-12)

1. There should be one (1) contestant per school.

2. The contest will revolve around the theme which will be announced by the contest administrator during the contest proper.

3. English shall be used as medium in writing the essay piece.

4. The essay piece shall contain a minimum of 250 words and a maximum of 300 words.

5. The allotted time for the contest is one and a half (1 1/2) hours, after which all entries shall be submitted to the contest administrator. Contestants may decide to submit his/her essay earlier without waiting for the lapse of time allotted.

6. Each entry shall be identified by a number that corresponds to the number which identifies the contestant for the judging process.

7. Decision of the Board of Judges is **FINAL**.

8. Criteria for the Essay Writing Contest:

Substance of the content	30%
Relevance to the theme	25%
Organization on the clarity of ideas	25%
Mechanics	20%
TOTAL	100%

MECHANICS FOR MATH QUIZ BEE

1. Contestants: For elementary level (G1-G6), one pupil per grade level.

For the secondary level (G7-11), each school may send 1 to 2 contestants/grade level.

2. Thirty (30) questions will be given and every correct answer is worth 1 point.

3. Math Quiz Bee for G1-G3 is a written/oral competition. The quiz master shall read each question twice and the contestants may begin solving as soon as they wish. Questions shall be answered in 1 minute. Time starts after the second reading of the question by the quiz master.



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4. Math Quiz Bee for G4-G11 is a written exam. Test paper shall be distributed (face down) to each contestant. A signal will be given for the contestants to begin reading and answering the test questions. One (1) hour time allotment shall be given.

5. The total number of correct answers shall be the contestant's score. The contestant with the highest score shall be declared as the 1st place winner, the second-highest score is the second-place winner, and the third highest-the 3rd place winner.

6. In case of a tie, a Clincher Round shall be held. It will be a knock-out system between or among the contestants with equal scores until a winner emerges. The first one who can answer correctly will be the declared winner.

Note: The 30-item written test will consist of math questions which shall cover various topics in quarters 1 and 2 and all the lessons from the previous Grade levels/years. The questions will be combinations of multiple-choice, fill-in-the-blank, or identification.



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Enclosure No. 2 to Schools Division Memorandum No. 321, s. 2024

CATEGORIES AND MAXIMUM NUMBER OF PARTICIPANTS

Contest Categories (Elementary Level)	Maximum Number of Participants Per School
Science Quiz Bee SSES- G1-G6 Regular Science Class G3-G6	3 per grade level 1 per grade level
Sci-Art Contest (G6)	1 per school
Science Investigatory Project (4) Individual Team	1 maximum of 3
Secondary Level	
Life Science (4) Individual Team	1 maximum of 3
Physical Science (4) Individual Team	1 maximum of 3
Robotics and Intelligent Machine (4) Individual Team	1 max of 3
Mathematics and Computational Science (4) Individual Team	1 maximum of 3
Regional Science Innovation Expo (4) Individual Team	1 maximum of 3
Stemazing (Team)	maximum of 3
Science Quiz Bee (G7-G-11)	
Note: Grade 11 Earth and Life Science	1 per grade level
Essay Writing Contest (G10 and G12)	1 per school



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Enclosure No. 3 to Schools Division Memorandum No. 381, 2024

PROGRAM MANAGEMENT TEAM

Consultants	JOHANNA N. GERVACIO PhD, CESO V Schools Division Superintendent RONILO E. HILARIO CESO VI Assistant Schools Division Superintendent
Chair	LARRY B. ESPIRITU PhD Chief ES-CID
Co-Chairs	NELIE D. SACMAN PhD LEILANI D. TIDALGO EdD FELERMA G. URBANO

TECHNICAL WORKING GROUP

Assignment	Chairperson	Members
Foods and Refreshments	Novalyn C. Rodolfo, EdD	Alma M. Arquero Joy G. Dagdagan Noemi I. Villeza Cherrylyn P. Natividad Jerry May R. Rosete
Program, Invitation, Registration	Joanna Marie D. Torda	Grace D. Yango Mary Jane D. De Vera Lorinda M. Torres Joycell C. Eugenio Myla B. Cortez
Documentation, Activity Completion Report, Certificate of Appearance, Certificates	Jackylou G. Alberto	Catherine C. Manzano Janelle A. Cruz Czarina Y. Reyes Ma. Theresa F. Celestino
Venue, Physical Appearance, Stage Decoration Sound System and Tarpaulin	Augusto A. Mateo	Pedro J. De Guzman Rodel D. Zafra Edgardo M. Sinagub Benny V. Aquino Alfred D. Pagaduan Romulo S. Gabriel
Room Assignment	Eden Rose L. Gonzales	All MNHS-Annex Science Teachers
Medical Services	Marianne C. Coronel MD	Charmaine Eljie R. Rayos RN



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Quiz Bee (Science SSES)	Quiz Master	Timer
	G 1 Glenda L. Viola G 2 Sheila Marie C. Undan G 3 Analiza S. Galindez G 4 Daffodil B. Parcasio G 5 Gene Beniece B. Limos G 6 Judy Caroline P. Catacutan	G1 Lemellyn B. Santiago G2 Ferry A. Reyes G3 Renalyn P. Martin G4 Oshine DC. DeVera G5 Maorin Mari Santos G6 Jennifer C. Mojica Scorer G1 Christian Juico G2 Liezel A. Dela Cruz G3 Catherine S. Esguerra G4 Judy Caroline P. Catacutan G5 Floro B. Fernandez Jr G6 Catherine C. Manzano
Quiz Bee (Science-Regular)	G3 Crisanto A. Pascua G4 Czarina Y. Reyes G5 Princess D. Santos G6 Mary Rose S. Canoy	Timer G3 Rodel D. Zafrá G4 Florenz T. Asinas G5 Marita M. Selispara G6 Ma. Theresa F. Celestino Scorer G3 Liezel Sampaga G4 Cherrylyn P. Natividad G5 Sherlyn P. Fernandez G6 Marivic O. Agito
Quiz Bee (Science-JHS)	G7 Elvie C. Corpuz G8 Rosemarie N. Busania G 9 Necelyn Maliwat G 10 Aprilyn C. Torio	Timer G7 Christina M. Dela Cruz G8 Charmaine D. Ortíz G9 Marilyn U. Dela Cruz G10. Sherlyn S. Viloría Scorer G7 Imelda Sicat G8 Alma Grace P. Corpuz G9 Eva E. Garcia G10 Maricel H. Palma Timer Christina M. Dela Cruz



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Quiz Bee (Science-SHS)	G11 Gladys F. Macato	Scorer Virgilio Billones
Quiz Bee (Math Regular and SSES)	Quiz Master G1 Elvie G. Corpuz G2 Maribel L. Peralta G3 Agnes C. Bengano G4 Juleita C. Garcillan G5 Jordan T. Nicodemus G6 Francisco M. Pelagio G7 Sally S. Feria G8 Arlene C. Castaneda G9 Jun Francis P. Santiago G10 Cynthia Monserate G11 Jackielou H. Nery	Timer and Scorer G1 Benilda Gregorio G2 Jocelyn G. Ramos G3 Marietta V. Reyes G4 Joy G. Dagdagan G5 Juanito A. Mariano Jr. G6 Rafael Q. Natividad G7 Marivic C. Umagat G8 Cristine Cruz G9 Roberto C. Abril G10 Zeny O. Abaya G11 Carlo C. Abaya
Quiz Bee (Math Regular and STE)		
Investigatory Project	Teresita E. Ventura	Hederlyn L. Ferrer
Sci-Art Contest (Grade 6)	Rodolfo A. Dizon PhD	Mark Anthony S. Paraguison Cornelio H. Espiritu, Jr Jhon Galera Darius Escubio
Research Congress	Rona May E. Cruz	Coaches and Advisers
Essay Writing Contest (Grade 10 and Grade 12)	Aileen G. Mactal	
Tabulator	Leilani D. Tidalgo EdD	Arlene C. Castaneda Alberto H. Papalis Jordan T. Nicodemus



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Enclosure No. 4 to Schools Division Memorandum No. 381, s. 2024

PROGRAM

Part I

Arrival of the Participants	7:30 am - 8:00 am
Registration	8:00 am - 8:30 am
Program Proper	8:30 am- 9:00 am
Makabayan Song	AVP
Prayer	AVP
DepEd Munoz Hymn	AVP
Roll Call of the Participants	
Welcome Remarks	NELIE D. SACMAN, PhD EPS -Science
Message	Ronilo E. Hilario CESO VI Asst. Schools Division Superintendent
	Johanna N. Gervacio PhD, CESO V Schools Division Superintendent
Statement of Purpose	Larry B. Espiritu, PhD CID-Chief ES
Presentation of the Board of Judges	LEILANI D. TIDALGO, EdD EPS- Mathematics

Part II (Contest Proper)

Part III Awarding of Medals and Certificates	Nelie D. Sacman EPS-Science
	Leilani D. Tidalgo, EdD EPS- Math
	Felerma G. Urbano HT VI-Science Dept



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Enclosure No. 5 to Schools Division Memorandum No. 381, s. 2024

PROGRAM MATRIX

Part I	Opening Program	7:30 am-9:00 am
Part II	Contest Proper	
	Break	9:00 am -10:00 am
	Quiz Bee (Math and Science)	(Simultaneous)
10:00 am -11:30 am	Poster Making Contest	10:30 am- 11:30 am
	Investigatory Project	10:30 am- 11:30 am
	Essay Writing Contest	10:30 am- 11:30 am
	Awarding of Medals and Certificates	1:30 pm- 2:30 pm
	Research Congress	9:30 am- 12:00 noon
	Lunch Break	12:00 noon-1:00 pm
	Research Congress (cont.)	1:00 pm - 4:00 pm
	Awarding of Medals and Certificates	4:00 pm-5:00pm



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